

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 20:27:26 ; Search time 20 Seconds  
(without alignments)  
124.014 Million cell updates/sec

Title: US-09-900-147-6  
Perfect score: 152  
Sequence: 1 YDALNVLAMANNISKEKKEIKWIGLPTNSA 30

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA.\*  
1: /cgn2\_6/ptodata/1/1aa/5 COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/6 COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/H COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/PTUS COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/RE COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfills1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	152	100.0	30	2	US-09-308-935-6
2	152	100.0	32	2	US-09-308-935-1
3	152	100.0	72	1	US-08-428-131-11
4	152	100.0	72	2	US-09-078-596-11
5	152	100.0	331	2	US-09-949-016-9220
6	152	100.0	369	1	US-08-723-415B-4
7	152	100.0	369	2	US-09-189-627A-4
8	152	100.0	370	2	US-08-723-415B-4
9	152	100.0	370	2	US-09-189-627A-6
10	152	100.0	370	2	US-09-189-627A-6
11	152	100.0	370	2	US-09-710-861-6
12	152	100.0	385	1	US-08-723-415B-8
13	152	100.0	385	2	US-09-189-627A-8
14	152	100.0	385	2	US-09-710-861-8
15	152	100.0	410	1	US-08-723-415B-10
16	152	100.0	410	1	US-08-723-415B-11
17	152	100.0	410	1	US-08-428-131-2
18	152	100.0	410	1	US-08-602-846-2
19	152	100.0	410	2	US-09-078-596-2
20	152	100.0	410	2	US-09-189-627A-10
21	152	100.0	410	2	US-09-189-627A-11
22	152	100.0	410	2	US-09-710-861-10
23	152	100.0	410	2	US-09-710-861-11
24	152	100.0	415	2	US-09-949-016-8808
25	152	100.0	446	1	US-08-723-415B-2
26	152	100.0	446	2	US-09-189-627A-2
27	152	100.0	446	2	US-09-710-861-2

28	126	82.9	74	2	US-08-894-139-10	Sequence 10, Appl
29	124	81.6	119	2	US-09-640-211A-1157	Sequence 1157, Ap
30	119	78.3	120	2	US-09-640-211A-1056	Sequence 1056, Ap
31	101	66.4	20	2	US-09-308-935-4	Sequence 4, Appl
32	80	52.6	15	2	US-09-308-935-10	Sequence 10, Appl
33	72	47.4	19	2	US-09-308-935-3	Sequence 3, Appl
34	68	44.7	19	2	US-09-308-935-15	Sequence 15, Appl
35	67	44.1	16	2	US-09-308-935-5	Sequence 5, Appl
36	67	44.1	17	2	US-08-428-131-13	Sequence 13, Appl
37	67	44.1	17	2	US-08-428-131-13	Sequence 13, Appl
38	67	44.1	28	2	US-09-269-576G-22	Sequence 22, Appl
39	67	44.1	28	2	US-09-269-576G-24	Sequence 24, Appl
40	64	42.1	19	2	US-09-308-935-16	Sequence 16, Appl
41	63	41.4	28	2	US-09-269-576G-3	Sequence 3, Appl
42	63	41.4	28	2	US-09-269-576G-21	Sequence 21, Appl
43	60	39.5	19	2	US-09-308-935-17	Sequence 17, Appl
44	56.5	37.2	73	1	US-08-428-131-12	Sequence 12, Appl
45	56.5	37.2	73	2	US-09-078-596-12	Sequence 12, Appl

## ALIGNMENTS

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RESULT 1
US-09-308-935-6
; Sequence 6, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-6
Query Match 100.0%; Score 152; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.8e-16;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YDALNVLAMANNISKEKKEIKWIGLPTNSA 30
DB 1 YDALNVLAMANNISKEKKEIKWIGLPTNSA 30

RESULT 2
US-09-308-935-1
; Sequence 1, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
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SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1  
LENGTH: 37  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-1

Query Match 100.0%; Score 152; DB 2; Length 37;  
Best Local Similarity 100.0%; Pred. No. 2,8e-16;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YDALNVLAMNNIISKEKEIKWIGLPTNSA 30  
8 YDALNVLAMNNIISKEKEIKWIGLPTNSA 37

RESULT 3  
US-08-428-131-11  
Sequence 11, Application US/08428131  
Patent No. 5863757

GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 5863757th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-428-131-11

Query Match 100.0%; Score 152; DB 1; Length 72;  
Best Local Similarity 100.0%; Pred. No. 4,8e-16;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YDALNVLAMNNIISKEKEIKWIGLPTNSA 30  
11 YDALNVLAMNNIISKEKEIKWIGLPTNSA 40

RESULT 4  
US-09-078-596-11  
Sequence 11, Application US/09078596  
Patent No. 6150116

GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie

TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-11

Query Match 100.0%; Score 152; DB 2; Length 72;  
Best Local Similarity 100.0%; Pred. No. 4,8e-16;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YDALNVLAMNNIISKEKEIKWIGLPTNSA 30  
11 YDALNVLAMNNIISKEKEIKWIGLPTNSA 40

RESULT 5  
US-09-949-016-9220  
Sequence 9220, Application US/09949016  
Patent No. 6812339

GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: PastSeq for Windows Version 4.0  
SEQ ID NO 9220  
LENGTH: 331  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-9220

Query Match 100.0%; Score 152; DB 2; Length 331;  
Best Local Similarity 100.0%; Pred. No. 2,8e-15;

	Matches	30;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
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Dδ	155	YDALNVLAMNNIISREKKEIKWIGLPTNSA	184							

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RESULT 6
US-08-723-415B-4
: Sequence 4, Application US/08723415B
: Patent No. 5859199
: GENERAL INFORMATION:
: APPLICANT: Lathangue, Nicholas B.
: APPLICANT: delaLuna, Susana
: TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS
: TITLE OF INVENTION: THERIOF
: NUMBER OF SEQUENCES: 21
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: NIXON & VANDERHAYE P.C.
: STREET: 1100 No. 5859199th Glebe Rd. 8th floor
: CITY: Arlington
: STATE: VA
: COUNTRY: USA
: ZIP: 22201-4741
: COMPUTER READABLE FORM:
: MEDIUM TYPE: floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/723,415B
: FILING DATE: 30-SEP-1996
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: GB 9610195.1
: FILING DATE: 15-MAY-1996
: ATTORNEY/AGENT INFORMATION:
: NAME: Crawford, Arthur R.
: REGISTRATION NUMBER: 25,327
: REFERENCE/DOCKET NUMBER: 117-220
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 703-816-4000
: TELEFAX: 703-816-4100
: INFORMATION FOR SEQ ID NO: 4:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 369 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULAR TYPE: protein
:
US-08-723-415B-4

Query Match 100.0%; Score 152; DB 1; Length 369;
Best Local Similarity 100.0%; Pred. No. 3.2e-15;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 YDALNVLAMNIIISKEKEIKWIGLPTNSA 30
|||
Db 108 YDALNVLAMNIIISKEKEIKWIGLPTNSA 137

RESULT 7
US-09-189-627A-4
: Sequence 4, Application US/09189627A
: Patent No. 6159691
: GENERAL INFORMATION:
: APPLICANT: La Thangue, Nicholas
: APPLICANT: de la Luna, Susana
: TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
: FILE REFERENCE: 620-54
: CURRENT APPLICATION NUMBER: US/09/189,627A
: CURRENT FILING DATE: 1998-11-10
: PRIOR APPLICATION NUMBER: 08/773,415
: PRIOR FILING DATE: 1996-09-30

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      PRIOR APPLICATION NUMBER: GB 9610195
      PRIOR FILING DATE: 1996-05-15
      NUMBER OF SEQ ID NOS: 25
      SOFTWARE: PatentIn Ver. 2.0
      SEQ ID NO 4
      LENGTH: 369
      TYPE: PRT
      ORGANISM: mouse
      US-09-189-627A-4

Query Match
Best Local Similarity 100.0%; Score 152; DB 2; Length 369;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

      QY      1 YDALNVLAMNNISKEKEIKWIGLPTNSA 30
      Db      108 YDALNVLAMNNISKEKEIKWIGLPTNSA 137

      RESULT 8
      US-09-710-861-4
      Sequence 4, Application US/09710861
      Patent No. 6387649
      GENERAL INFORMATION:
      APPLICANT: La Thangue, Nicholas
      TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
      FILE REFERENCE: 620-54
      CURRENT APPLICATION NUMBER: US/09/710,861
      CURRENT FILING DATE: 2000-11-13
      PRIOR APPLICATION NUMBER: US/09/189,627
      PRIOR FILING DATE: 1998-11-10
      PRIOR APPLICATION NUMBER: 08/723,415
      PRIOR FILING DATE: 1996-09-30
      PRIOR APPLICATION NUMBER: GB 9610195
      PRIOR FILING DATE: 1996-05-15
      NUMBER OF SEQ ID NOS: 25
      SOFTWARE: PatentIn Ver. 2.0
      SEQ ID NO 4
      LENGTH: 369
      TYPE: PRT
      ORGANISM: mouse
      US-09-710-861-4

Query Match
Best Local Similarity 100.0%; Score 152; DB 2; Length 369;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

      QY      1 YDALNVLAMNNISKEKEIKWIGLPTNSA 30
      Db      108 YDALNVLAMNNISKEKEIKWIGLPTNSA 137

      RESULT 9
      US-08-723-415B-6
      Sequence 6, Application US/08723415B
      Patent No. 5859199
      GENERAL INFORMATION:
      APPLICANT: LaThangue, Nicholas B.
      TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS
      TITLE OF INVENTION: THEREOF
      NUMBER OF SEQUENCES: 21
      CORRESPONDENCE ADDRESS:
      ADDRESSEE: NIXON & VANDERHAYE P.C.
      STREET: 1100 No. 5859199th Glebe Rd. 8th floor
      CITY: Arlington
      STATE: VA
      COUNTRY: USA
      ZIP: 22201-4741
      COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible

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OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 370 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-6

Query Match 100.0%; Score 152; DB 1; Length 370;  
Best Local Similarity 100.0%; Pred. No. 3.2e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YDALTVMANNISKEKEIKWIGLPTNSA 30  
DB 109 YDALTVMANNISKEKEIKWIGLPTNSA 138

RESULT 10  
US-09-189-627A-6  
Sequence 6, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 6  
LENGTH: 370  
TYPE: PRP  
ORGANISM: mouse  
US-09-189-627A-6

Query Match 100.0%; Score 152; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 3.2e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YDALTVMANNISKEKEIKWIGLPTNSA 30  
DB 109 YDALTVMANNISKEKEIKWIGLPTNSA 138

RESULT 11  
US-09-710-861-6  
Sequence 6, Application US/09710861  
Patent No. 6387649  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF

FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/710,861  
CURRENT FILING DATE: 2000-11-13  
PRIOR APPLICATION NUMBER: US/09/189,627  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 6  
LENGTH: 370  
TYPE: PRP  
ORGANISM: mouse  
US-09-710-861-6

Query Match 100.0%; Score 152; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 3.2e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YDALTVMANNISKEKEIKWIGLPTNSA 30  
DB 109 YDALTVMANNISKEKEIKWIGLPTNSA 138

RESULT 12  
US-08-723-415B-8  
Sequence 8, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B.  
APPLICANT: delaluna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
TITLE OF INVENTION: THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Giebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 385 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-8

Query Match 100.0%; Score 152; DB 1; Length 385;  
Best Local Similarity 100.0%; Pred. No. 3.3e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



Qy 1 YDALTVMAMNIIISKEKEIKWIGLPTNSA 30  
Db 124 YDALTVMAMNIIISKEKEIKWIGLPTNSA 153

RESULT 13  
US-09-189-627A-8  
Sequence 8, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 8  
LENGTH: 385  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-8

Query Match 100.0%; Score 152; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 3.3e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YDALTVMAMNIIISKEKEIKWIGLPTNSA 30  
Db 124 YDALTVMAMNIIISKEKEIKWIGLPTNSA 153

RESULT 14  
US-09-710-861-8  
Sequence 8, Application US/09710861  
Patent No. 6387649  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/710,861  
CURRENT FILING DATE: 2000-11-13  
PRIOR APPLICATION NUMBER: US/09/189,627  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 8  
LENGTH: 385  
TYPE: PRT  
ORGANISM: mouse  
US-09-710-861-8

Query Match 100.0%; Score 152; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 3.3e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YDALTVMAMNIIISKEKEIKWIGLPTNSA 30  
Db 124 YDALTVMAMNIIISKEKEIKWIGLPTNSA 153

RESULT 15

US-08-723-415B-10  
Sequence 10, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: Lathangue, Nicholas B.  
APPLICANT: delaluna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
TITLE OF INVENTION: THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESS: NIXON & VANDERHAYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-10

Query Match 100.0%; Score 152; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 3.6e-15;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YDALTVMAMNIIISKEKEIKWIGLPTNSA 30  
Db 170 YDALTVMAMNIIISKEKEIKWIGLPTNSA 199

Search completed: March 17, 2006, 20:28:44  
Job time : 20 secs

**This Page Blank (uspto)**

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 20:46:22 ; Search time 97.2414 Seconds

(without alignments)  
128.905 Million cell updates/sec

Title: US-09-900-147-6

Perfect score: 152  
Sequence: 1 YDALNVLMAMNIISEKKEIKWIGLPTNSA 30

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications\_MA\_Main:

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2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*  
6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	152	100.0	30	3	US-09-900-147-6
2	152	100.0	37	3	US-09-900-147-1
3	152	100.0	149	5	US-10-450-763-35869
4	152	100.0	355	4	US-10-106-698-4846
5	152	100.0	424	5	US-10-450-763-58416
6	137	90.1	405	4	US-10-053-248-24
7	137	90.1	405	4	US-10-345-837-24
8	132	86.8	445	6	US-11-097-143-9348
9	130	85.5	185	5	US-10-450-763-35867
10	126	82.9	74	4	US-10-214-188-10
11	124	81.6	119	5	US-10-856-499-1157
12	119	78.3	120	5	US-10-856-499-1056
13	119	78.3	575	3	US-09-220-091-7
14	117	77.0	207	4	US-10-425-114-71403
15	117	77.0	222	4	US-10-425-114-36974
16	117	77.0	301	4	US-10-425-115-272014
17	117	77.0	314	4	US-10-424-599-185947
18	117	77.0	318	4	US-10-437-963-16158
19	117	77.0	385	5	US-10-739-930-6734
20	116	76.3	263	4	US-10-437-963-167076
21	116	76.3	336	4	US-10-425-114-46555
22	116	76.3	341	4	US-10-425-115-186696
23	114	75.0	320	4	US-10-424-599-186648
24	102	67.1	292	5	US-10-489-500-4
25	101	66.4	20	3	US-09-900-147-4
26	98.5	64.8	369	4	US-10-437-963-126371
27	95	62.5	250	4	US-10-425-115-188778

28	80	52.6	15	3	US-09-900-147-10	Sequence 10, Appl
29	74	48.7	165	4	US-10-424-599-234773	Sequence 234773,
30	72	47.4	19	3	US-09-900-147-3	Sequence 3, Appl1
31	68	44.7	19	3	US-09-900-147-15	Sequence 15, Appl1
32	67	44.1	16	3	US-09-900-147-5	Sequence 5, Appl1
33	67	44.1	28	5	US-10-752-505-22	Sequence 22, Appl1
34	67	44.1	28	5	US-10-752-505-24	Sequence 24, Appl1
35	66.5	43.8	287	5	US-10-732-923-3422	Sequence 3422, Ap
36	66.5	43.8	412	5	US-10-732-923-3424	Sequence 3424, Ap
37	66.5	43.8	470	5	US-10-732-923-3423	Sequence 3423, Ap
38	64	42.1	19	3	US-09-900-147-16	Sequence 16, Appl1
39	63	41.4	28	5	US-10-752-505-3	Sequence 3, Appl1
40	63	41.4	28	5	US-10-752-505-21	Sequence 21, Appl1
41	61.5	40.5	198	5	US-10-732-923-3386	Sequence 3386, Ap
42	61	40.1	323	5	US-10-732-923-3274	Sequence 3274, Ap
43	61	40.1	379	5	US-10-732-923-3273	Sequence 3273, Ap
44	61	40.1	403	5	US-10-732-923-3272	Sequence 3272, Ap
45	60	39.5	19	3	US-09-900-147-17	Sequence 17, Appl1

## ALIGNMENTS

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RESULT 1
US-09-900-147-6
; Sequence 6, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US/09/900,147
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-6
Query Match 100.0%; Score 152; DB 3; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.1e-15;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 YDALNVLMAMNIISEKKEIKWIGLPTNSA 30
DB 1 YDALNVLMAMNIISEKKEIKWIGLPTNSA 30
RESULT 2
US-09-900-147-1
; Sequence 1, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandaru, Vasanth R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US/09/900,147
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-1

Query Match          100.0%; Score 152; DB 3; Length 37;
Best Local Similarity 100.0%; Pred. No. 2.7e-15;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YDALNVLMANNIISKEKEIKWIGLPTNSA 30
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Db       8 YDALNVLMANNIISKEKEIKWIGLPTNSA 37

RESULT 3
US-10-450-763-35869
; Sequence 35869, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyeeg, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Cnctcom
; SEQ ID NO 35869
; LENGTH: 149
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-35869

Query Match          100.0%; Score 152; DB 5; Length 149;
Best Local Similarity 100.0%; Pred. No. 1.3e-14;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YDALNVLMANNIISKEKEIKWIGLPTNSA 30
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Db       29 YDALNVLMANNIISKEKEIKWIGLPTNSA 58

RESULT 4
US-10-106-698-4846
; Sequence 4846, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: P8005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4846
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Homo sapiens
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; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (342)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (348)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (351)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC FEATURE
; LOCATION: (352)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-4846

Query Match          100.0%; Score 152; DB 4; Length 355;
Best Local Similarity 100.0%; Pred. No. 3.3e-14;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YDALNVLMANNIISKEKEIKWIGLPTNSA 30
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Db       176 YDALNVLMANNIISKEKEIKWIGLPTNSA 205

RESULT 5
US-10-450-763-58416
; Sequence 58416, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyeeg, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Cnctcom
; SEQ ID NO 58416
; LENGTH: 424
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-58416

Query Match          100.0%; Score 152; DB 5; Length 424;
Best Local Similarity 100.0%; Pred. No. 4e-14;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YDALNVLMANNIISKEKEIKWIGLPTNSA 30
        |||
Db       163 YDALNVLMANNIISKEKEIKWIGLPTNSA 192

RESULT 6
US-10-053-248-24
; Sequence 24, Application US/10053248
; Publication No. US20030144188A1
; GENERAL INFORMATION:
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; TITLE OF INVENTION: Molecules and Encoded Proteins
; FILE REFERENCE: P-1S 4814
; CURRENT APPLICATION NUMBER: US/10/053,248
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PasteSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405
; TYPE: PRT
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ORGANISM: Homo sapiens  
US-10-053-248-24

Query Match 90.1%; Score 137; DB 4; Length 405;  
Best Local Similarity 90.0%; Pred. No. 6.9e-12;  
Matches 27; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YDALNVLAMNNIISKEKKIKWIGLPTNSA 30  
Db 165 YDALNVLAMNNIISREKKIKWIGLTTNSA 194

RESULT 7  
US-10-345-837-24  
Sequence 24, Application US/10345837  
Publication No. US20040137440A1

GENERAL INFORMATION:  
APPLICANT: Lin, Biaoyang  
TITLE OF INVENTION: Androgen Regulated Nucleic Acid  
TITLE OF INVENTION: Molecules and Encoded Proteins  
FILE REFERENCE: P-15 5589  
CURRENT APPLICATION NUMBER: US/10/345,837  
CURRENT FILING DATE: 2003-01-15  
PRIOR APPLICATION NUMBER: US 10/053,248  
PRIOR FILING DATE: 2002-01-15  
NUMBER OF SEQ ID NOS: 34  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 24  
LENGTH: 405  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-345-837-24

Query Match 90.1%; Score 137; DB 4; Length 405;  
Best Local Similarity 90.0%; Pred. No. 6.9e-12;  
Matches 27; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YDALNVLAMNNIISKEKKIKWIGLPTNSA 30  
Db 165 YDALNVLAMNNIISREKKIKWIGLTTNSA 194

RESULT 8  
US-11-097-143-9348

Sequence 9348, Application US/11097143  
Publication No. US20050208558A1  
GENERAL INFORMATION:  
APPLICANT: Venter, J. Craig  
TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE  
TITLE OF INVENTION: DROSOPHILA GENES.  
FILE REFERENCE: CL000728  
CURRENT APPLICATION NUMBER: US/11/097,143  
CURRENT FILING DATE: 2005-04-04  
PRIOR APPLICATION NUMBER: 60/157,832  
PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: 60/160,191  
PRIOR FILING DATE: 1999-10-19  
PRIOR APPLICATION NUMBER: 60/161,932  
PRIOR FILING DATE: 1999-10-28  
PRIOR APPLICATION NUMBER: 60/164,769  
PRIOR FILING DATE: 1999-11-12  
PRIOR APPLICATION NUMBER: 60/173,383  
PRIOR FILING DATE: 1999-12-28  
PRIOR APPLICATION NUMBER: 60/175,693  
PRIOR FILING DATE: 2000-01-12  
PRIOR APPLICATION NUMBER: 60/184,831  
PRIOR FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: 60/191,637  
PRIOR FILING DATE: 2000-03-23  
NUMBER OF SEQ ID NOS: 43008  
SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 9348  
LENGTH: 445  
TYPE: PRT  
ORGANISM: DROSOPHILA  
US-11-097-143-9348

Query Match 86.8%; Score 132; DB 6; Length 445;  
Best Local Similarity 82.8%; Pred. No. 4.3e-11;  
Matches 24; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YDALNVLAMNNIISKEKKIKWIGLPTNS 29  
Db 220 YDALNVLAMNNIISREKKIKWIGLPTNS 248

RESULT 9  
US-10-450-763-35867  
Sequence 35867, Application US/10450763  
Publication No. US20050196754A1

GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 790CIP3/US  
CURRENT APPLICATION NUMBER: US/10/450,763  
CURRENT FILING DATE: 2003-06-11  
PRIOR APPLICATION NUMBER: PCT/US01/08631  
PRIOR FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 09/540,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Custom  
SEQ ID NO 35867  
LENGTH: 185  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-450-763-35867

Query Match 85.5%; Score 130; DB 5; Length 185;  
Best Local Similarity 89.7%; Pred. No. 3.3e-11;  
Matches 26; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 DALNVLAMNNIISKEKKIKWIGLPTNSA 30  
Db 157 DALNVLAMNNIISREKKIKWIGLPTNSA 185

RESULT 10  
US-10-214-188-10  
Sequence 10, Application US/10214188  
Publication No. US20030022260A1  
GENERAL INFORMATION:  
APPLICANT: LA THANGUE, NICHOLAS B.  
BERNARDS, RENE  
HIMANS, ELEANORE M.

TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/214,188  
FILING DATE: 08-Aug-2002

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CLASSIFICATION: <Unknown>
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/894,139
; FILING DATE: 13-AUG-1997
; ATTORNEY/AGENT INFORMATION:
;   NAME: WILSON, MARY J.
;   REGISTRATION NUMBER: 32,955
;   REFERENCE/DOCKET NUMBER: 620-22
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (703) 816-4000
;   TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 10:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 74 amino acids
;     TYPE: amino acid
;     STRANDEDNESS: <Unknown>
;     TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-214-188-10
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Query Match      82.9%; Score 126; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 4.7e-11;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 YDALNVLAMANNIISKKEIKWIGLPTNS 25
Db      50 YDALNVLAMANNIISKKEIKWIGL 74
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RESULT 11
US-10-856-499-1157
; Sequence 1157, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
;   APPLICANT: Wood, Marion
;   APPLICANT: Shenk, Michael A.
;   APPLICANT: McGrath, Annette
;   APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1157
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-856-499-1157
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Query Match      81.6%; Score 124; DB 5; Length 119;
Best Local Similarity 82.8%; Pred. No. 1.6e-10;
Matches 24; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
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Qy      1 YDALNVLAMANNIISKKEIKWIGLPTNS 29
Db      78 YDALNVLAMANNIISKKEIKWIGLPTTN 106
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RESULT 12
US-10-856-499-1056
; Sequence 1056, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
;   APPLICANT: Wood, Marion
;   APPLICANT: Shenk, Michael A.
;   APPLICANT: McGrath, Annette
;   APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021C2
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; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-856-499-1056
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Query Match      78.3%; Score 119; DB 5; Length 120;
Best Local Similarity 79.3%; Pred. No. 9.1e-10;
Matches 23; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
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Qy      1 YDALNVLAMANNIISKKEIKWIGLPTNS 29
Db      77 YDALNVLAMANNIISKKEIKWIGLPTSTS 105
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RESULT 13
US-09-220-091-7
; Sequence 7, Application US/09220091
; Patent No. US20020064523A1
; GENERAL INFORMATION:
;   APPLICANT: H. Robert Horvitz
;   APPLICANT: Craig Geol
;   APPLICANT: Xiaowei Lu
; TITLE OF INVENTION: A TUMOR SUPPRESSOR PATHWAY IN C. ELEGANS
; FILE REFERENCE: 01997/202003
; CURRENT APPLICATION NUMBER: US/09/220,091
; CURRENT FILING DATE: 1998-12-23
; EARLIER APPLICATION NUMBER: 60/047,996
; EARLIER FILING DATE: 1997-05-28
; EARLIER APPLICATION NUMBER: 09/087,136
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 575
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-220-091-7
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Query Match      78.3%; Score 119; DB 3; Length 575;
Best Local Similarity 70.0%; Pred. No. 5.2e-09;
Matches 21; Conservative 7; Mismatches 2; Indels 0; Gaps 0;
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Qy      1 YDALNVLAMANNIISKKEIKWIGLPTNSA 30
Db      106 YDALNVLAMANNIISKKEIKWIGLPTASAS 135
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RESULT 14
US-10-425-114-71403
; Sequence 71403, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
;   APPLICANT: Liu, Jingdong
;   APPLICANT: Zhou, Yihua
;   APPLICANT: Kovacic, David K.
;   APPLICANT: Screen, Steven B.
;   APPLICANT: Tabaska, Jack E.
;   APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 71403
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Zea mays subsp. mexicana
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FEATURE:  
OTHER INFORMATION: Clone ID: UC-ZMR0TEOSINTB19B07\_FLI.pep  
US-10-425-114-71403

Query Match 77.0%; Score 117; DB 4; Length 207;  
Best Local Similarity 79.3%; Pred. No. 3.3e-09;  
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 YDALNVLAMNIIISKEKEIKWIGLPTNS 29  
DB 13 YDALNVLAMNDIISKDKKEIQWKGLPRTS 41

RESULT 15

US-10-425-114-36974  
Sequence 36974, Application US/10425114  
Publication No. US20040034888A1  
GENERAL INFORMATION:  
APPLICANT: Liu, Jindong  
APPLICANT: Zhou, Yihua  
APPLICANT: Kovalic, David K.  
APPLICANT: Screen, Steven E  
APPLICANT: Tabaska, Jack E  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53113)B  
CURRENT APPLICATION NUMBER: US/10/425,114  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 73128  
SEQ ID NO 36974  
LENGTH: 222  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: LIB3170-045-C12\_FLI.pep  
US-10-425-114-36974

Query Match 77.0%; Score 117; DB 4; Length 222;  
Best Local Similarity 79.3%; Pred. No. 3.6e-09;  
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 YDALNVLAMNIIISKEKEIKWIGLPTNS 29  
DB 34 YDALNVLAMNDIISKDKKEIQWKGLPRTS 62

Search completed: March 17, 2006, 20:52:11  
Job time : 98.2414 secs

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OM protein - protein search, using sw model

Run on: March 17, 2006, 20:47:42 ; Search time 12.069 Seconds  
(without alignments)  
71.148 Million cell updates/sec

Title: US-09-900-147-6  
Perfect score: 152  
Sequence: 1 YDALNVLAMANNIISKKEIKWIGLPTNSA 30

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 169630 seqs, 2862289 residues

Total number of hits satisfying chosen parameters: 169630

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications MA New:  
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7: /cgn2\_6/ptodata/1/pubpaa/US11\_NEM\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US60\_NEM\_PUB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	117	77.0	318	US-11-060-029-21	Sequence 21, Appl
2	117	77.0	344	US-11-060-029-15	Sequence 15, Appl
3	117	77.0	346	US-11-060-029-19	Sequence 19, Appl
4	117	77.0	385	US-11-060-029-2	Sequence 2, Appl
5	117	77.0	386	US-11-060-029-13	Sequence 13, Appl
6	117	77.0	413	US-11-060-029-4	Sequence 4, Appl
7	116	76.3	379	US-11-060-029-17	Sequence 17, Appl
8	114	75.0	353	US-11-060-029-23	Sequence 23, Appl
9	61	40.1	384	US-11-096-568A-2816	Sequence 2816, Ap
10	61	40.1	384	US-11-096-568A-2817	Sequence 2817, Ap
11	61	40.1	385	US-11-096-568A-2815	Sequence 2815, Ap
12	57	37.5	445	US-11-096-568A-18168	Sequence 18168, A
13	57	37.5	444	US-11-096-568A-18167	Sequence 18167, A
14	57	37.5	515	US-11-096-568A-18166	Sequence 18166, A
15	56.5	37.2	121	US-10-967-648A-16	Sequence 16, Appl
16	56.5	37.2	281	US-10-967-648A-12	Sequence 12, Appl
17	56.5	37.2	437	US-10-967-648A-2	Sequence 2, Appl
18	55.5	36.5	85	US-10-863-093-5	Sequence 5, Appl
19	55	36.2	207	US-11-096-568A-20252	Sequence 20252, A
20	55	36.2	278	US-11-096-568A-20251	Sequence 20251, A
21	55	36.2	287	US-11-096-568A-20250	Sequence 20250, A
22	54.5	35.9	437	US-10-967-648A-4	Sequence 4, Appl
23	53.5	35.2	465	US-10-967-648A-6	Sequence 6, Appl
24	51.5	33.9	346	US-10-967-648A-10	Sequence 10, Appl
25	51	33.6	904	US-10-967-648A-14	Sequence 14, Appl

26	50.5	33.2	76	US-10-863-093-6	Sequence 6, Appl
27	50.5	33.2	76	US-10-868-613B-90	Sequence 90, Appl
28	50.5	33.2	413	US-10-967-648A-8	Sequence 8, Appl
29	49.5	32.6	362	US-11-096-568A-20332	Sequence 20332, A
30	49.5	32.6	398	US-11-096-568A-3066	Sequence 3066, Ap
31	49.5	32.6	464	US-11-096-568A-20331	Sequence 20331, A
32	49.5	32.6	466	US-11-096-568A-3065	Sequence 3065, Ap
33	49.5	32.6	466	US-11-096-568A-3067	Sequence 3067, Ap
34	49.5	32.6	528	US-11-096-568A-3064	Sequence 3064, Ap
35	49.5	32.6	545	US-11-096-568A-20330	Sequence 20330, A
36	47.5	31.2	392	US-11-087-099-12003	Sequence 12003, A
37	47.5	31.2	446	US-11-087-099-7122	Sequence 7122, Ap
38	47	30.9	324	US-10-995-561-765	Sequence 765, App
39	47	30.9	324	US-11-124-367A-426	Sequence 426, App
40	47	30.9	556	US-10-995-561-766	Sequence 766, App
41	47	30.9	556	US-10-995-561-767	Sequence 767, App
42	47	30.9	556	US-11-124-367A-427	Sequence 427, App
43	47	30.9	556	US-11-124-367A-428	Sequence 428, App
44	45.5	29.9	367	US-11-096-568A-19243	Sequence 19243, A
45	45.5	29.9	462	US-11-087-099-3735	Sequence 3735, Ap

## ALIGNMENTS

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RESULT 1
US-11-060-029-21
; Sequence 21, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060.029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-060-029-21
Query Match 77.0% Score 117; DB 7; Length 318;
Best Local Similarity 79.3% Pred. No. 4.6e-10;
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
Ory 1 YDALNVLAMANNIISKKEIKWIGLPTNS 29
Db 157 YDALNVLAMANNIISKKEIKWIGLPTNS 185
RESULT 2
US-11-060-029-15
; Sequence 15, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060.029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Oryza sativa
; NAME/KEY: misc feature
; LOCATION: (193)..(193)

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; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-060-029-15

Query Match      77.0%; Score 117; DB 7; Length 344;
Best Local Similarity 79.3%; Pred. No. 5.1e-10;
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy      1 YDALNVLMAMNIISKEKEIKWIGLPTNS 29
Db      155 YDALNVLMAMDIISKDKKEIQWKGILPRTS 183

RESULT 3
US-11-060-029-19
; Sequence 19, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-060-029-19

Query Match      77.0%; Score 117; DB 7; Length 346;
Best Local Similarity 79.3%; Pred. No. 5.1e-10;
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy      1 YDALNVLMAMNIISKEKEIKWIGLPTNS 29
Db      157 YDALNVLMAMDIISKDKKEIQWKGILPRTS 185

RESULT 4
US-11-060-029-2
; Sequence 2, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 385
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-060-029-2

Query Match      77.0%; Score 117; DB 7; Length 385;
Best Local Similarity 79.3%; Pred. No. 5.8e-10;
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy      1 YDALNVLMAMNIISKEKEIKWIGLPTNS 29
Db      159 YDALNVLMAMDIISKDKKEIQWKGILPRTS 187

RESULT 5
US-11-060-029-13
; Sequence 13, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
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; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
; LENGTH: 386
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURES:
; NAME/KEY: misc_feature
; LOCATION: (40)..(40)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; NAME/KEY: misc_feature
; LOCATION: (102)..(102)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-060-029-13

Query Match      77.0%; Score 117; DB 7; Length 386;
Best Local Similarity 79.3%; Pred. No. 5.8e-10;
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy      1 YDALNVLMAMNIISKEKEIKWIGLPTNS 29
Db      192 YDALNVLMAMDIISKDKKEIQWKGILPRTS 220

RESULT 6
US-11-060-029-4
; Sequence 4, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-060-029-4

Query Match      77.0%; Score 117; DB 7; Length 413;
Best Local Similarity 79.3%; Pred. No. 6.2e-10;
Matches 23; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy      1 YDALNVLMAMNIISKEKEIKWIGLPTNS 29
Db      176 YDALNVLMAMDIISKDKKEIQWKGILPRTS 204

RESULT 7
US-11-060-029-17
; Sequence 17, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 17
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LENGTH: 379  
TYPE: PRT  
ORGANISM: Oryza sativa  
US-11-060-029-17

Query Match 76.3%; Score 116; DB 7; Length 379;  
Best Local Similarity 79.3%; Pred. No. 8e-10;  
Matches 23; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 YDALNVLMANNIISKKEIKWIGLPTNS 29  
DB 185 YDALNVLMANNIISKKEIKWIGLPTNS 213

RESULT 8  
US-11-060-029-23

Sequence 23, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
TITLE OF INVENTION: making the same  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 23  
LENGTH: 353  
TYPE: PRT  
ORGANISM: Populus tremula x Populus tremuloides  
US-11-060-029-23

Query Match 75.0%; Score 114; DB 7; Length 353;  
Best Local Similarity 75.9%; Pred. No. 1.5e-09;  
Matches 22; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1 YDALNVLMANNIISKKEIKWIGLPTNS 29  
DB 159 YDALNVLMANNIISKKEIKWIGLPTNS 187

RESULT 9  
US-11-096-568A-2816

Sequence 2816, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Therby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2816  
LENGTH: 384  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: msec\_feature  
LOCATION: (1)..(384)  
OTHER INFORMATION: Ceres Seq. ID no. 12610325  
US-11-096-568A-2816

Query Match 40.1%; Score 61; DB 7; Length 384;  
Best Local Similarity 43.3%; Pred. No. 0.15;  
Matches 13; Conservative 3; Mismatches 8; Indels 6; Gaps 1;

QY 1 YDALNVLMANNIISK-----EKKEIKWIG 24  
DB 209 YDIANVLSSMWLIKHTHTLDSRKPAPKWL 238

RESULT 10  
US-11-096-568A-2817

Sequence 2817, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Therby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2817  
LENGTH: 384  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: msec\_feature  
LOCATION: (1)..(384)  
OTHER INFORMATION: Ceres Seq. ID no. 16625362  
US-11-096-568A-2817

Query Match 40.1%; Score 61; DB 7; Length 384;  
Best Local Similarity 43.3%; Pred. No. 0.15;  
Matches 13; Conservative 3; Mismatches 8; Indels 6; Gaps 1;

QY 1 YDALNVLMANNIISK-----EKKEIKWIG 24  
DB 209 YDIANVLSSMWLIKHTHTLDSRKPAPKWL 238

RESULT 11  
US-11-096-568A-2815

Sequence 2815, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Therby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2815  
LENGTH: 385  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: msec\_feature  
LOCATION: (1)..(385)  
OTHER INFORMATION: Ceres Seq. ID no. 12610324  
US-11-096-568A-2815

Query Match 40.1%; Score 61; DB 7; Length 385;  
Best Local Similarity 43.3%; Pred. No. 0.15;  
Matches 13; Conservative 3; Mismatches 8; Indels 6; Gaps 1;

QY 1 YDALNVLMANNIISK-----EKKEIKWIG 24  
DB 210 YDIANVLSSMWLIKHTHTLDSRKPAPKWL 239

RESULT 12  
US-11-096-568A-18168

Sequence 18168, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Therby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01

NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 18168  
LENGTH: 425  
TYPE: PRT  
ORGANISM: Zea mays subsp. mays  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(425)  
OTHER INFORMATION: Ceres Seq. ID no. 12363306  
US-11-096-568A-18168

Query Match 37.5%; Score 57; DB 7; Length 425;  
Best Local Similarity 36.4%; Pred. No. 0.66; 10; Indels 6; Gaps 1;  
Matches 12; Conservative 5; Mismatches 10; Indels 6; Gaps 1;

QY 1 YDALNVLMANNIISK-----EKKEIKWIGLPT 27  
DB 235 YDIANVLSSINLEIKIHQGSRKPAFRWLGRAT 267

RESULT 13  
US-11-096-568A-18167  
Sequence 18167, Application US/11096568A  
Publication No. US20050048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nickolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Theryby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 18167  
LENGTH: 444  
TYPE: PRT  
ORGANISM: Zea mays subsp. mays  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(444)  
OTHER INFORMATION: Ceres Seq. ID no. 12363305  
US-11-096-568A-18167

Query Match 37.5%; Score 57; DB 7; Length 444;  
Best Local Similarity 36.4%; Pred. No. 0.7;  
Matches 12; Conservative 5; Mismatches 10; Indels 6; Gaps 1;

QY 1 YDALNVLMANNIISK-----EKKEIKWIGLPT 27  
DB 254 YDIANVLSSINLEIKIHQGSRKPAFRWLGRAT 286

RESULT 14  
US-11-096-568A-18166  
Sequence 18166, Application US/11096568A  
Publication No. US20050048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nickolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
TITLE OF INVENTION: Theryby  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 18166  
LENGTH: 515  
TYPE: PRT  
ORGANISM: Zea mays subsp. mays  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(515)  
OTHER INFORMATION: Ceres Seq. ID no. 12363304  
US-11-096-568A-18166

Query Match 37.5%; Score 57; DB 7; Length 515;  
Best Local Similarity 36.4%; Pred. No. 0.83;  
Matches 12; Conservative 5; Mismatches 10; Indels 6; Gaps 1;

QY 1 YDALNVLMANNIISK-----EKKEIKWIGLPT 27  
DB 325 YDIANVLSSINLEIKIHQGSRKPAFRWLGRAT 357

RESULT 15  
US-10-967-648A-16  
Sequence 16, Application US/10967648A  
Publication No. US20050245473A1  
GENERAL INFORMATION:  
APPLICANT: Saunders, Nicholas A  
TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
TITLE OF INVENTION: therefor  
FILE REFERENCE: 12493972  
CURRENT APPLICATION NUMBER: US/10/967,648A  
CURRENT FILING DATE: 2004-10-15  
PRIOR APPLICATION NUMBER: USSN 60/512010  
PRIOR FILING DATE: 2003-10-16  
NUMBER OF SEQ ID NOS: 16  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 16  
LENGTH: 121  
TYPE: PRT  
ORGANISM: Human  
US-10-967-648A-16

Query Match 37.2%; Score 56.5; DB 6; Length 121;  
Best Local Similarity 42.9%; Pred. No. 0.19;  
Matches 12; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

QY 1 YDALNVLMANNIISK-KKEIKWIGLPT 27  
DB 54 YDITNVLEGIQLIKSKKNHIOWLGSHT 81

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Job time : 12.069 secs

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 21:14:49 ; Search time 13.0909 Seconds  
(without alignments)  
34.984 Million cell updates/sec

Title: US-09-900-147-5  
Perfect score: 76  
Sequence: 1 RYDVALVLMANNIIS 16

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 169630 seqs, 28622889 residues

Total number of hits satisfying chosen parameters: 169630

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 1000 summaries

Database : Published Applications AA New:\*

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4: /cgn2\_6/ptodata/1/pubppaa/PCOT\_NEW\_PUB.pep:\*  
5: /cgn2\_6/ptodata/1/pubppaa/US09 NEW PUB.pep:\*  
6: /cgn2\_6/ptodata/1/pubppaa/US10 NEW PUB.pep:\*  
7: /cgn2\_6/ptodata/1/pubppaa/US11 NEW PUB.pep:\*  
8: /cgn2\_6/ptodata/1/pubppaa/US60\_NEW\_PUB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	71	93.4	318	7	US-11-060-029-21
2	71	93.4	344	7	US-11-060-029-15
3	71	93.4	346	7	US-11-060-029-19
4	71	93.4	385	7	US-11-060-029-2
5	71	93.4	386	7	US-11-060-029-13
6	71	93.4	413	7	US-11-060-029-4
7	70	92.1	379	7	US-11-060-029-17
8	68	89.5	353	7	US-11-060-029-23
9	48	63.2	384	7	US-11-096-568A-2816
10	48	63.2	384	7	US-11-096-568A-2817
11	48	63.2	385	7	US-11-096-568A-2815
12	46	60.5	904	6	US-10-967-648A-14
13	45	59.2	207	7	US-11-096-568A-20252
14	45	59.2	278	7	US-11-096-568A-20251
15	45	59.2	287	7	US-11-096-568A-20250
16	45	59.2	425	7	US-11-096-568A-18168
17	45	59.2	444	7	US-11-096-568A-18167
18	45	59.2	515	7	US-11-096-568A-18166
19	39	51.3	85	6	US-10-863-093-5
20	39	51.3	121	6	US-10-967-648A-16
21	39	51.3	346	6	US-10-967-648A-10
22	39	51.3	367	7	US-11-096-568A-19243
23	39	51.3	437	6	US-10-967-648A-2
24	39	51.3	465	6	US-10-967-648A-6
25	39	51.3	468	7	US-11-096-568A-19242

26	39	51.3	488	7	US-11-096-568A-19241	Sequence 19241, A
27	38	50.0	76	6	US-10-863-093-6	Sequence 6, Appl1
28	38	50.0	76	6	US-10-888-613B-90	Sequence 90, Appl1
29	38	50.0	281	6	US-10-967-648A-12	Sequence 12, Appl1
30	38	50.0	362	7	US-11-096-568A-20332	Sequence 20332, A
31	38	50.0	398	7	US-11-096-568A-3066	Sequence 3066, Ap
32	38	50.0	413	6	US-10-967-648A-8	Sequence 8, Appl1
33	38	50.0	437	6	US-10-967-648A-4	Sequence 4, Appl1
34	38	50.0	464	7	US-11-096-568A-20331	Sequence 20331, A
35	38	50.0	466	7	US-11-096-568A-3065	Sequence 3065, Ap
36	38	50.0	466	7	US-11-096-568A-3067	Sequence 3067, Ap
37	38	50.0	528	7	US-11-096-568A-3064	Sequence 3064, Ap
38	38	50.0	545	7	US-11-096-568A-20330	Sequence 20330, A
39	37	48.7	361	6	US-10-763-712A-122	Sequence 122, App
40	37	48.7	462	7	US-11-087-099-735	Sequence 3735, Ap
41	37	48.7	489	7	US-11-087-099-748	Sequence 748, App
42	36	47.4	113	7	US-11-096-568A-152	Sequence 152, App
43	36	47.4	113	7	US-11-096-568A-153	Sequence 153, App
44	36	47.4	134	7	US-11-096-568A-14850	Sequence 14850, A
45	36	47.4	321	6	US-10-793-626-1526	Sequence 1526, Ap
46	36	47.4	651	7	US-11-172-145-10	Sequence 10, Appl1
47	35	46.1	446	7	US-11-087-099-7122	Sequence 7122, Ap
48	35	46.1	580	6	US-10-821-224-1309	Sequence 1309, Ap
49	35	46.1	580	6	US-10-526-508-4	Sequence 4, Appl1
50	35	44.7	225	7	US-11-053-076-272	Sequence 272, App
51	34	44.7	228	6	US-10-517-622-20	Sequence 20, Appl1
52	34	44.7	244	7	US-11-087-099-10643	Sequence 10643, A
53	34	44.7	282	7	US-11-096-568A-29200	Sequence 29200, A
54	34	44.7	322	7	US-11-096-568A-1423	Sequence 1423, Ap
55	34	44.7	344	7	US-11-096-568A-12954	Sequence 12954, A
56	34	44.7	351	7	US-11-096-568A-12953	Sequence 12953, A
57	34	44.7	361	7	US-11-116-144-29	Sequence 29, Appl1
58	34	44.7	366	7	US-11-087-099-8278	Sequence 8278, Ap
59	34	44.7	369	7	US-11-096-568A-29199	Sequence 29199, A
60	34	44.7	412	7	US-11-181-091-34	Sequence 34, Appl1
61	34	44.7	435	7	US-11-150-845-26	Sequence 26, Appl1
62	34	44.7	435	7	US-11-150-845-28	Sequence 28, Appl1
63	34	44.7	436	7	US-11-150-845-32	Sequence 32, Appl1
64	34	44.7	436	7	US-11-150-845-32	Sequence 32, Appl1
65	34	44.7	437	7	US-11-150-845-28	Sequence 28, Appl1
66	34	44.7	437	7	US-11-150-845-10	Sequence 30, Appl1
67	34	44.7	437	7	US-11-150-845-28	Sequence 28, Appl1
68	34	44.7	437	7	US-11-150-847-8	Sequence 30, Appl1
69	34	44.7	449	7	US-11-096-568A-5501	Sequence 5501, Ap
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71	34	44.7	458	7	US-11-096-568A-5500	Sequence 5500, Ap
72	34	44.7	464	7	US-11-096-568A-5499	Sequence 5499, Ap
73	34	44.7	485	7	US-11-087-099-6476	Sequence 6476, Ap
74	34	44.7	487	7	US-11-087-099-6476	Sequence 6476, Ap
75	34	44.7	487	7	US-11-087-099-6476	Sequence 6476, Ap
76	34	44.7	489	7	US-11-087-099-6123	Sequence 6123, Ap
77	34	44.7	489	7	US-11-087-099-6123	Sequence 6123, Ap
78	34	44.7	498	7	US-11-087-099-12124	Sequence 12124, A
79	34	44.7	505	7	US-11-087-099-6925	Sequence 6925, Ap
80	34	44.7	514	7	US-11-207-078-605	Sequence 605, App
81	34	44.7	515	7	US-11-207-078-604	Sequence 604, App
82	34	44.7	517	6	US-10-934-944-230	Sequence 230, App
83	34	44.7	517	7	US-11-116-881A-239	Sequence 239, App
84	34	44.7	530	7	US-11-207-078-606	Sequence 606, App
85	34	44.7	537	7	US-11-207-078-603	Sequence 603, App
86	34	44.7	538	7	US-11-207-078-602	Sequence 602, App
87	34	44.7	564	7	US-11-096-568A-28261	Sequence 28261, A
88	34	44.7	590	7	US-11-096-568A-28260	Sequence 28260, A
89	34	44.7	614	7	US-11-150-845-34	Sequence 34, Appl1
90	34	44.7	614	7	US-11-150-847-34	Sequence 34, Appl1
91	34	44.7	617	7	US-11-150-845-46	Sequence 46, Appl1
92	34	44.7	617	7	US-11-150-845-40	Sequence 40, Appl1
93	34	44.7	649	7	US-11-150-845-18	Sequence 18, Appl1
94	34	44.7	649	7	US-11-150-845-22	Sequence 22, Appl1
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96	34	44.7	649	7	US-11-150-847-18	Sequence 22, Appl1
97	34	44.7	701	7	US-11-096-568A-28359	Sequence 28359, A
98	34	44.7	784	6	US-10-873-528-16	Sequence 36, Appl1
			3157	7	US-11-052-554A-142	Sequence 142, App

99	33.5	44.1	301	7	US-11-087-039-11444	Sequence 11444, A	172	31	40.8	158	7	US-11-166-609-4	Sequence 4, App11
100	33	43.4	132	6	US-10-821-234-1218	Sequence 1218, Ap	173	31	40.8	164	6	US-10-793-626-3040	Sequence 3040, A
101	33	43.4	144	7	US-11-096-568A-8419	Sequence 849, App	174	31	40.8	260	7	US-11-096-568A-13059	Sequence 13059, A
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103	33	43.4	161	6	US-10-467-657-6198	Sequence 6198, Ap	176	31	40.8	264	6	US-10-778-636-4	Sequence 4, App11
104	33	43.4	176	7	US-11-096-568A-848	Sequence 848, App	177	31	40.8	265	7	US-11-146-093-2	Sequence 2, App11
105	33	43.4	266	6	US-10-793-626-1974	Sequence 1974, Ap	178	31	40.8	266	7	US-11-087-099-967	Sequence 967, App
106	33	43.4	283	7	US-11-165-067A-21	Sequence 21, App1	179	31	40.8	277	7	US-11-072-512-3046	Sequence 8501, App
107	33	43.4	293	7	US-11-096-568A-3288	Sequence 3288, Ap	180	31	40.8	291	6	US-10-821-234-1560	Sequence 3046, Ap
108	33	43.4	298	7	US-11-156-084-322	Sequence 222, App	181	31	40.8	291	6	US-10-821-234-1560	Sequence 1560, Ap
109	33	43.4	306	6	US-10-467-657-2476	Sequence 2476, Ap	182	31	40.8	311	7	US-11-096-568A-1619	Sequence 1619, Ap
110	33	43.4	313	7	US-11-096-568A-3287	Sequence 3287, Ap	183	31	40.8	352	7	US-11-087-099-10074	Sequence 10074, A
111	33	43.4	313	7	US-11-096-568A-3289	Sequence 3289, Ap	184	31	40.8	361	7	US-11-129-143-108	Sequence 108, App
112	33	43.4	326	7	US-11-156-084-198	Sequence 198, App	185	31	40.8	367	7	US-11-087-099-8524	Sequence 8524, Ap
113	33	43.4	342	7	US-11-096-568A-3286	Sequence 3286, Ap	186	31	40.8	372	7	US-11-096-568A-13058	Sequence 13058, A
114	33	43.4	344	7	US-11-087-099-977	Sequence 977, App	187	31	40.8	376	7	US-11-096-568A-13057	Sequence 13057, A
115	33	43.4	377	7	US-11-096-568A-12593	Sequence 12593, A	188	31	40.8	435	7	US-11-087-099-11022	Sequence 11022, A
116	33	43.4	388	7	US-11-096-568A-12592	Sequence 12592, A	189	31	40.8	446	7	US-11-087-099-3804	Sequence 3804, Ap
117	33	43.4	442	7	US-11-087-099-3716	Sequence 3716, Ap	190	31	40.8	449	7	US-11-087-099-1709	Sequence 1709, Ap
118	33	43.4	443	7	US-11-096-568A-33969	Sequence 33969, A	191	31	40.8	462	7	US-11-087-099-2455	Sequence 2455, Ap
119	33	43.4	458	7	US-11-000-463-350	Sequence 350, App	192	31	40.8	462	7	US-11-087-099-8611	Sequence 8611, Ap
120	33	43.4	458	7	US-11-000-463-822	Sequence 822, App	193	31	40.8	465	6	US-10-467-657-1292	Sequence 1292, Ap
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122	33	43.4	466	7	US-11-173-672-1	Sequence 1, App11	195	31	40.8	492	6	US-10-793-626-770	Sequence 770, App
123	33	43.4	468	7	US-11-096-568A-9180	Sequence 9180, Ap	196	31	40.8	509	7	US-11-155-288-8	Sequence 8, App11
124	33	43.4	474	7	US-11-024-959-383	Sequence 383, App	197	31	40.8	518	7	US-11-166-609-13	Sequence 13, App1
125	33	43.4	474	7	US-11-087-099-7037	Sequence 7037, Ap	198	31	40.8	532	7	US-11-166-609-22	Sequence 22, App1
126	33	43.4	474	7	US-11-087-099-7585	Sequence 7585, Ap	199	31	40.8	538	7	US-11-166-609-21	Sequence 21, App1
127	33	43.4	506	7	US-11-096-568A-33968	Sequence 33968, A	200	31	40.8	544	7	US-11-166-609-18	Sequence 18, App1
128	33	43.4	508	7	US-11-087-099-9085	Sequence 9085, Ap	201	31	40.8	546	7	US-11-166-609-2	Sequence 2, App11
129	33	43.4	509	7	US-11-096-568A-9179	Sequence 9179, Ap	202	31	40.8	582	7	US-11-201-916-24	Sequence 24, App1
130	33	43.4	509	7	US-11-096-568A-9181	Sequence 9181, Ap	203	31	40.8	605	7	US-11-098-686-11114	Sequence 11114, A
131	33	43.4	513	7	US-11-087-099-1119	Sequence 1119, Ap	204	31	40.8	666	7	US-11-098-686-11016	Sequence 11016, A
132	33	43.4	576	7	US-11-201-916-29	Sequence 29, App1	205	31	40.8	713	6	US-10-467-657-1012	Sequence 1012, Ap
133	33	43.4	624	7	US-11-096-568A-33967	Sequence 33967, A	206	31	40.8	713	7	US-11-190-799-2	Sequence 2, App11
134	33	43.4	734	6	US-10-467-962B-63	Sequence 63, App1	207	31	40.8	713	7	US-11-190-799-4	Sequence 4, App11
135	33	43.4	1026	6	US-11-169-041-205	Sequence 205, App1	208	31	40.8	733	7	US-11-103-957-97	Sequence 97, App1
136	33	43.4	1127	6	US-10-858-730-13	Sequence 13, App1	209	31	40.8	831	7	US-11-098-686-10875	Sequence 10875, A
137	32.5	42.8	283	7	US-11-186-284-99	Sequence 99, App1	210	31	40.8	945	7	US-11-019-711-121	Sequence 121, App
138	32.5	42.8	305	7	US-11-087-099-5438	Sequence 5438, Ap	211	31	40.8	989	7	US-11-096-568A-29282	Sequence 29282, A
139	32	42.1	187	7	US-11-087-099-9124	Sequence 9124, Ap	212	31	40.8	1063	7	US-11-096-568A-29281	Sequence 29281, A
140	32	42.1	195	7	US-11-087-099-3109	Sequence 3109, Ap	213	31	40.8	1124	6	US-10-858-730-12	Sequence 12, App1
141	32	42.1	248	7	US-11-052-554A-81	Sequence 81, App1	214	31	40.8	1184	7	US-11-096-568A-29280	Sequence 29280, A
142	32	42.1	259	7	US-11-087-099-11217	Sequence 11217, A	215	31	40.8	2145	7	US-11-087-099-10331	Sequence 10331, A
143	32	42.1	270	7	US-11-096-568A-23038	Sequence 23038, A	216	31	40.8	3122	7	US-11-087-099-1245	Sequence 1245, Ap
144	32	42.1	361	7	US-11-096-568A-30561	Sequence 30561, A	217	31	39.5	111	7	US-11-087-099-596	Sequence 596, App
145	32	42.1	405	7	US-11-096-568A-28005	Sequence 28005, A	218	30	39.5	111	7	US-11-096-568A-19081	Sequence 19081, A
146	32	42.1	495	6	US-10-821-234-1154	Sequence 1154, Ap	219	30	39.5	143	7	US-11-156-084-89	Sequence 89, App1
147	32	42.1	550	6	US-11-098-686-10474	Sequence 10474, A	220	30	39.5	147	7	US-11-055-822-466	Sequence 466, App
148	32	42.1	570	7	US-11-096-568A-33137	Sequence 33137, A	221	30	39.5	158	7	US-11-096-568A-19080	Sequence 19080, A
149	32	42.1	578	7	US-11-096-568A-33136	Sequence 33136, A	222	30	39.5	175	7	US-11-096-568A-19079	Sequence 19079, A
150	32	42.1	630	7	US-11-096-568A-33135	Sequence 33135, A	223	30	39.5	177	7	US-11-156-084-90	Sequence 90, App1
151	32	42.1	766	7	US-11-144-985-9	Sequence 9, App11	224	30	39.5	179	6	US-10-467-657-7772	Sequence 7772, Ap
152	32	42.1	858	7	US-11-096-568A-30989	Sequence 30989, A	225	30	39.5	180	7	US-11-098-686-10905	Sequence 10905, A
153	32	42.1	936	7	US-11-096-568A-30988	Sequence 30988, A	226	30	39.5	182	7	US-11-096-568A-11381	Sequence 11381, A
154	32	42.1	995	7	US-11-096-568A-30987	Sequence 30987, A	227	30	39.5	183	6	US-10-793-626-1320	Sequence 1320, Ap
155	32	42.1	1140	6	US-10-858-730-208	Sequence 208, App	228	30	39.5	195	7	US-11-098-686-10308	Sequence 10308, A
156	32	42.1	1387	7	US-11-077-386-28	Sequence 28, App1	229	30	39.5	202	7	US-11-096-568A-11380	Sequence 11380, A
157	32	42.1	1481	7	US-11-077-386-30	Sequence 30, App1	230	30	39.5	207	7	US-11-129-104-98	Sequence 98, App1
158	32	42.1	1798	7	US-11-080-991-36	Sequence 96, App1	231	30	39.5	216	7	US-11-096-568A-5121	Sequence 5121, App
159	32	42.1	1960	7	US-11-077-386-29	Sequence 29, App1	232	30	39.5	225	6	US-10-485-517-143	Sequence 143, App
160	32	42.1	2061	7	US-11-077-386-27	Sequence 27, App1	233	30	39.5	225	7	US-11-252-663-6	Sequence 6, App11
161	32	42.1	2061	7	US-11-169-041-179	Sequence 179, App1	234	30	39.5	239	7	US-11-096-568A-5120	Sequence 5120, Ap
162	32	42.1	4374	7	US-11-128-572-2	Sequence 2, App11	235	30	39.5	244	7	US-11-096-568A-24795	Sequence 24795, A
163	32	42.1	5291	7	US-11-052-554A-281	Sequence 281, App	236	30	39.5	249	7	US-11-096-568A-25325	Sequence 25325, A
164	31.5	41.4	404	7	US-11-096-568A-5191	Sequence 5191, Ap	237	30	39.5	251	7	US-11-096-568A-22675	Sequence 22675, A
165	31.5	41.4	435	7	US-11-096-568A-5190	Sequence 5190, Ap	238	30	39.5	259	6	US-10-467-657-8478	Sequence 8478, Ap
166	31.5	41.4	458	7	US-11-096-568A-5189	Sequence 5189, Ap	239	30	39.5	263	7	US-11-096-568A-22674	Sequence 22674, A
167	31.5	41.4	572	6	US-10-763-712A-11	Sequence 11, App1	240	30	39.5	265	7	US-11-098-686-10694	Sequence 10694, A
168	31.5	41.4	572	6	US-10-763-712A-109	Sequence 109, App	241	30	39.5	267	7	US-11-096-568A-25324	Sequence 25324, A
169	31	40.8	51	7	US-11-000-463-362	Sequence 362, App	242	30	39.5	271	6	US-10-467-657-7690	Sequence 7690, Ap
170	31	40.8	51	7	US-11-000-463-834	Sequence 834, App	243	30	39.5	272	7	US-11-087-099-10650	Sequence 10650, A
171	31	40.8	156	6	US-10-821-234-1424	Sequence 1424, Ap	244	30	39.5	298	7	US-11-096-568A-22673	Sequence 22673, A

245	30	39.5	306	7	US-11-102-497-13	Sequence 13, Appl	318	29	38.2	149	6	US-10-467-657-8827	Sequence 8827, Ap
246	30	39.5	307	7	US-11-096-568A-11379	Sequence 11379, A	319	29	38.2	161	7	US-11-087-099-5561	Sequence 5561, Ap
247	30	39.5	308	6	US-10-858-730-114	Sequence 114, Appl	320	29	38.2	210	7	US-11-096-568A-20745	Sequence 20745, A
248	30	39.5	334	7	US-11-098-686-10496	Sequence 10496, A	321	29	38.2	219	7	US-11-096-568A-14650	Sequence 14650, A
249	30	39.5	337	7	US-11-087-099-3639	Sequence 3639, Ap	322	29	38.2	224	7	US-11-098-686-10609	Sequence 10609, A
250	30	39.5	352	7	US-11-087-099-3715	Sequence 3715, Ap	323	29	38.2	227	7	US-11-022-562-230	Sequence 230, Appl
251	30	39.5	353	7	US-11-096-568A-27271	Sequence 27271, A	324	29	38.2	227	7	US-11-096-568A-20744	Sequence 20744, A
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253	30	39.5	387	7	US-11-098-686-11142	Sequence 11142, A	326	29	38.2	251	6	US-10-467-657-8827	Sequence 440, Appl
254	30	39.5	392	7	US-11-096-568A-32668	Sequence 32668, A	327	29	38.2	260	7	US-11-096-568A-22533	Sequence 22533, A
255	30	39.5	398	7	US-11-087-099-5349	Sequence 5349, Ap	328	29	38.2	261	7	US-11-087-099-12359	Sequence 12359, A
256	30	39.5	408	7	US-11-087-099-10788	Sequence 10788, A	329	29	38.2	267	6	US-10-793-626-1508	Sequence 1508, Ap
257	30	39.5	419	7	US-11-087-099-10606	Sequence 10606, A	330	29	38.2	267	7	US-11-087-099-10132	Sequence 10132, A
258	30	39.5	424	7	US-11-096-568A-26440	Sequence 26440, A	331	29	38.2	273	6	US-10-793-626-166	Sequence 166, Appl
259	30	39.5	429	7	US-11-096-568A-32667	Sequence 32667, A	332	29	38.2	275	6	US-10-485-517-747	Sequence 347, Appl
260	30	39.5	430	7	US-11-087-099-6449	Sequence 6449, Ap	333	29	38.2	276	6	US-10-524-647-98	Sequence 98, Appl
261	30	39.5	434	7	US-11-096-568A-27269	Sequence 27269, A	334	29	38.2	276	6	US-10-524-647-98	Sequence 82, Appl
262	30	39.5	445	6	US-10-467-657-1584	Sequence 1584, Ap	335	29	38.2	282	7	US-11-096-568A-20743	Sequence 20743, A
263	30	39.5	448	7	US-11-087-099-1085	Sequence 3085, Ap	336	29	38.2	319	7	US-11-055-822-498	Sequence 486, Appl
264	30	39.5	450	7	US-11-087-099-4313	Sequence 4313, Ap	337	29	38.2	326	7	US-11-087-099-9099	Sequence 9099, Ap
265	30	39.5	457	7	US-11-087-099-9561	Sequence 9561, Ap	338	29	38.2	320	6	US-10-524-647-4	Sequence 4, Appl1
266	30	39.5	474	7	US-11-096-568A-20335	Sequence 20335, A	339	29	38.2	320	6	US-10-524-647-4	Sequence 4, Appl1
267	30	39.5	483	7	US-11-024-959-494	Sequence 494, Appl	340	29	38.2	325	7	US-11-096-568A-23538	Sequence 23538, A
268	30	39.5	484	7	US-11-096-568A-20334	Sequence 20334, A	341	29	38.2	326	7	US-11-087-099-718	Sequence 718, Appl
269	30	39.5	486	7	US-11-087-099-3159	Sequence 3159, Ap	342	29	38.2	326	7	US-11-087-099-7471	Sequence 7471, Ap
270	30	39.5	486	7	US-11-096-568A-32666	Sequence 32666, A	343	29	38.2	345	7	US-11-087-099-8433	Sequence 8433, Ap
271	30	39.5	490	7	US-11-087-099-9461	Sequence 9461, Ap	344	29	38.2	341	6	US-10-793-626-122	Sequence 226, Appl
272	30	39.5	491	7	US-11-087-099-6597	Sequence 6597, Ap	345	29	38.2	341	7	US-11-087-099-9083	Sequence 3083, Ap
273	30	39.5	503	7	US-11-096-568A-26439	Sequence 26439, A	346	29	38.2	341	7	US-11-087-099-3768	Sequence 3768, Ap
274	30	39.5	511	7	US-11-135-667-35	Sequence 35, Appl	347	29	38.2	341	7	US-11-096-568A-23537	Sequence 23537, A
275	30	39.5	513	7	US-11-135-667-54	Sequence 54, Appl	348	29	38.2	345	7	US-11-087-099-7803	Sequence 7803, Ap
276	30	39.5	528	7	US-11-096-568A-26438	Sequence 26438, A	349	29	38.2	345	7	US-11-087-099-8433	Sequence 8433, Ap
277	30	39.5	533	6	US-10-467-657-2868	Sequence 2868, Ap	350	29	38.2	350	7	US-11-087-099-9299	Sequence 7982, Ap
278	30	39.5	537	7	US-11-096-568A-1828	Sequence 1828, Ap	351	29	38.2	358	7	US-11-096-568A-22532	Sequence 22532, A
279	30	39.5	558	7	US-11-096-568A-26137	Sequence 26137, A	352	29	38.2	359	7	US-11-096-568A-28150	Sequence 28150, A
280	30	39.5	559	7	US-11-096-568A-26136	Sequence 26136, A	353	29	38.2	364	7	US-11-098-686-11193	Sequence 11193, A
281	30	39.5	573	7	US-11-098-686-10857	Sequence 10857, A	354	29	38.2	373	7	US-11-096-568A-28149	Sequence 28149, A
282	30	39.5	574	7	US-11-096-568A-26135	Sequence 26135, A	355	29	38.2	378	7	US-11-229-371-88	Sequence 42, Appl
283	30	39.5	587	7	US-11-096-568A-1827	Sequence 1827, Ap	356	29	38.2	378	7	US-11-229-371-88	Sequence 88, Appl
284	30	39.5	592	7	US-11-096-568A-1826	Sequence 1826, Ap	357	29	38.2	378	7	US-11-228-923-82	Sequence 42, Appl
285	30	39.5	615	7	US-11-172-145-6	Sequence 6, Appl1	358	29	38.2	378	7	US-11-228-923-82	Sequence 88, Appl
286	30	39.5	617	7	US-11-172-145-8	Sequence 8, Appl1	359	29	38.2	378	7	US-11-228-923-82	Sequence 42, Appl
287	30	39.5	684	7	US-11-096-568A-27647	Sequence 27647, A	360	29	38.2	378	7	US-11-228-923-82	Sequence 88, Appl
288	30	39.5	686	7	US-11-096-568A-27646	Sequence 27646, A	361	29	38.2	378	7	US-11-096-568A-22531	Sequence 22531, A
289	30	39.5	772	7	US-11-087-099-6847	Sequence 6847, Ap	362	29	38.2	394	7	US-11-096-568A-10311	Sequence 10311, A
290	30	39.5	772	7	US-11-087-099-11261	Sequence 11261, A	363	29	38.2	394	7	US-11-229-371-94	Sequence 94, Appl
291	30	39.5	783	7	US-11-087-099-6000	Sequence 6000, Ap	364	29	38.2	394	7	US-11-228-923-94	Sequence 94, Appl
292	30	39.5	795	6	US-10-532-153-12	Sequence 12, Appl	365	29	38.2	394	6	US-11-228-923-94	Sequence 158, Appl
293	30	39.5	795	6	US-10-532-153-21	Sequence 21, Appl	366	29	38.2	396	6	US-10-055-877-158	Sequence 332, Appl
294	30	39.5	845	7	US-11-096-568A-28842	Sequence 28842, A	367	29	38.2	404	7	US-11-052-554A-322	Sequence 332, Appl
295	30	39.5	847	7	US-11-096-568A-28841	Sequence 28841, A	368	29	38.2	414	6	US-10-793-626-1156	Sequence 3156, Ap
296	30	39.5	912	7	US-11-096-568A-28840	Sequence 28840, A	369	29	38.2	414	7	US-11-096-568A-23557	Sequence 23557, A
297	30	39.5	913	7	US-11-096-568A-30511	Sequence 30511, A	370	29	38.2	415	7	US-11-096-568A-28148	Sequence 28148, A
298	30	39.5	926	6	US-10-841-129-2	Sequence 2, Appl1	371	29	38.2	420	7	US-11-229-371-90	Sequence 90, Appl
299	30	39.5	1020	7	US-11-096-568A-30510	Sequence 30510, A	372	29	38.2	420	7	US-11-124-367A-420	Sequence 420, Appl
300	30	39.5	1023	7	US-11-096-568A-30509	Sequence 30509, A	373	29	38.2	420	7	US-11-228-923-90	Sequence 90, Appl
301	30	39.5	1072	7	US-11-096-568A-27848	Sequence 27848, A	374	29	38.2	420	7	US-11-228-923-90	Sequence 90, Appl
302	30	39.5	1151	6	US-10-793-626-2448	Sequence 2448, Ap	375	29	38.2	422	7	US-11-072-512-3629	Sequence 3629, Ap
303	30	39.5	1181	7	US-11-096-568A-27847	Sequence 27847, A	376	29	38.2	430	7	US-11-096-568A-23356	Sequence 23356, A
304	30	39.5	1189	7	US-11-096-568A-27846	Sequence 27846, A	377	29	38.2	432	7	US-11-096-568A-3180	Sequence 3180, Ap
305	30	39.5	1451	7	US-11-046-346-1	Sequence 1, Appl1	378	29	38.2	432	7	US-11-096-568A-3181	Sequence 3181, Ap
306	30	38.8	123	7	US-11-087-099-3634	Sequence 3634, Ap	379	29	38.2	433	6	US-11-087-099-2288	Sequence 2288, Ap
307	29.5	38.8	457	7	US-11-087-099-1111	Sequence 1111, Ap	380	29	38.2	436	6	US-10-517-939-10	Sequence 10, Appl
308	29.5	38.8	503	7	US-11-087-099-5776	Sequence 9776, Ap	381	29	38.2	439	6	US-11-087-099-2654	Sequence 2654, Ap
309	29.5	38.8	870	7	US-11-031-206-188	Sequence 188, Appl	382	29	38.2	443	7	US-11-087-099-424	Sequence 424, Appl
310	29	38.2	64	7	US-11-000-463-259	Sequence 259, Appl	383	29	38.2	447	7	US-11-055-822-1070	Sequence 1070, Ap
311	29	38.2	64	7	US-11-000-463-731	Sequence 731, Appl	384	29	38.2	447	7	US-11-024-959-286	Sequence 286, Appl
312	29	38.2	76	6	US-10-895-064-2633	Sequence 2633, Ap	385	29	38.2	447	7	US-11-087-099-2416	Sequence 2416, Appl
313	29	38.2	76	7	US-11-129-741-2633	Sequence 2633, Ap	386	29	38.2	447	7	US-11-087-099-4133	Sequence 3413, Ap
314	29	38.2	88	6	US-10-485-517-303	Sequence 303, Appl	387	29	38.2	447	7	US-11-087-099-10905	Sequence 10905, A
315	29	38.2	88	6	US-10-485-788A-819	Sequence 819, Appl	388	29	38.2	447	7	US-11-087-099-11869	Sequence 11869, A
316	29	38.2	88	7	US-11-053-076-204	Sequence 204, Appl	389	29	38.2	455	7	US-11-096-568A-3179	Sequence 3179, Ap
317	29	38.2	146	7	US-11-087-099-4833	Sequence 4833, Ap	390	29	38.2	456	7	US-11-096-568A-32945	Sequence 32945, A

391	29	38.2	457	7	US-11-087-099-1034	Sequence 1034, Ap	464	28	36.8	44	7	US-11-096-568A-5421	Sequence 5421, Ap
392	29	38.2	459	7	US-11-087-099-5702	Sequence 5702, Ap	465	28	36.8	59	7	US-11-004-399-2843	Sequence 2843, Ap
393	29	38.2	467	7	US-11-096-568A-10310	Sequence 10310, A	466	28	36.8	63	7	US-11-000-463-325	Sequence 325, Ap
394	29	38.2	468	7	US-11-096-568A-11620	Sequence 11620, A	467	28	36.8	63	7	US-11-000-463-325	Sequence 797, Ap
395	29	38.2	471	7	US-11-096-568A-11619	Sequence 11619, A	468	28	36.8	120	7	US-11-096-568A-25320	Sequence 25320, A
396	29	38.2	475	7	US-11-096-568A-23355	Sequence 23355, A	469	28	36.8	136	7	US-11-098-686-71	Sequence 71, Appl
397	29	38.2	482	7	US-11-087-099-4997	Sequence 4997, Ap	470	28	36.8	146	7	US-11-096-568A-30487	Sequence 30487, A
398	29	38.2	482	7	US-11-096-568A-27870	Sequence 27870, A	471	28	36.8	149	6	US-10-793-626-594	Sequence 594, Appl
399	29	38.2	484	7	US-11-087-099-1132	Sequence 1132, Ap	472	28	36.8	154	7	US-11-072-512-2867	Sequence 2867, Ap
400	29	38.2	502	7	US-11-096-568A-11618	Sequence 11618, A	473	28	36.8	158	6	US-10-453-372-668	Sequence 668, Appl
401	29	38.2	513	6	US-10-467-657-5464	Sequence 5464, Ap	474	28	36.8	159	7	US-11-087-099-5905	Sequence 5905, Ap
402	29	38.2	518	6	US-10-934-944-172	Sequence 172, Appl	475	28	36.8	160	7	US-11-009-658-24	Sequence 24, Appl
403	29	38.2	518	6	US-10-934-944-190	Sequence 190, Appl	476	28	36.8	163	7	US-11-087-099-12085	Sequence 12085, A
404	29	38.2	518	6	US-10-934-944-220	Sequence 220, Appl	477	28	36.8	165	7	US-11-096-568A-6346	Sequence 6346, Appl
405	29	38.2	518	7	US-11-116-881A-181	Sequence 181, Appl	478	28	36.8	173	7	US-11-018-868-6	Sequence 6, Appl1
406	29	38.2	518	7	US-11-116-881A-199	Sequence 199, Appl	479	28	36.8	173	7	US-11-018-868-6	Sequence 46, Appl
407	29	38.2	518	7	US-11-116-881A-229	Sequence 229, Appl	480	28	36.8	178	7	US-11-096-568A-3521	Sequence 3521, Ap
408	29	38.2	520	6	US-10-467-657-1992	Sequence 1992, Ap	481	28	36.8	183	7	US-11-087-099-824	Sequence 824, Appl
409	29	38.2	522	7	US-11-096-568A-10309	Sequence 10309, A	482	28	36.8	183	7	US-11-087-099-5325	Sequence 5325, Ap
410	29	38.2	530	6	US-10-493-909-85	Sequence 85, Appl	483	28	36.8	183	7	US-11-087-099-5921	Sequence 5921, Ap
411	29	38.2	530	6	US-10-793-626-546	Sequence 546, Appl	484	28	36.8	183	7	US-11-087-099-7902	Sequence 7902, Ap
412	29	38.2	535	7	US-11-114-906-16	Sequence 16, Appl	485	28	36.8	186	7	US-10-793-626-3140	Sequence 3140, Ap
413	29	38.2	537	6	US-10-793-626-1712	Sequence 1712, Ap	486	28	36.8	190	6	US-10-714-887-238	Sequence 238, Appl
414	29	38.2	539	7	US-11-024-959-336	Sequence 336, Appl	487	28	36.8	199	6	US-10-714-887-238	Sequence 28, Appl
415	29	38.2	545	7	US-11-201-916-34	Sequence 34, Appl	488	28	36.8	199	7	US-11-053-185-28	Sequence 28, Appl
416	29	38.2	548	7	US-11-096-568A-10870	Sequence 10870, A	489	28	36.8	203	6	US-10-793-626-1794	Sequence 1794, Ap
417	29	38.2	548	7	US-11-098-686-10870	Sequence 10870, A	490	28	36.8	203	7	US-11-096-568A-30171	Sequence 30171, A
418	29	38.2	572	7	US-11-080-458-13	Sequence 13, Appl	491	28	36.8	204	7	US-11-096-568A-19285	Sequence 19285, A
419	29	38.2	573	7	US-11-201-916-30	Sequence 30, Appl	492	28	36.8	205	6	US-10-501-035-295	Sequence 295, Appl
420	29	38.2	576	7	US-11-201-916-32	Sequence 32, Appl	493	28	36.8	206	7	US-11-096-568A-6658	Sequence 6658, Ap
421	29	38.2	577	7	US-11-201-916-31	Sequence 31, Appl	494	28	36.8	211	6	US-10-453-372-700	Sequence 700, Appl
422	29	38.2	580	7	US-11-072-512-2103	Sequence 2103, Ap	495	28	36.8	213	7	US-11-096-568A-19284	Sequence 19284, A
423	29	38.2	591	6	US-10-770-726-71	Sequence 71, Appl	496	28	36.8	216	7	US-11-096-568A-31555	Sequence 31555, A
424	29	38.2	602	7	US-11-096-568A-30507	Sequence 30507, A	497	28	36.8	218	7	US-11-096-568A-4901	Sequence 4901, A
425	29	38.2	615	7	US-11-232-405A-32	Sequence 32, Appl	498	28	36.8	221	7	US-11-087-099-6557	Sequence 6557, Ap
426	29	38.2	648	7	US-11-114-906-12	Sequence 12, Appl	499	28	36.8	224	7	US-10-686-10467	Sequence 10467, A
427	29	38.2	654	7	US-11-114-906-10	Sequence 10, Appl	500	28	36.8	226	7	US-11-096-568A-21108	Sequence 21108, A
428	29	38.2	680	6	US-10-467-657-2008	Sequence 2008, Ap	501	28	36.8	227	6	US-10-467-657-970	Sequence 970, Appl
429	29	38.2	701	7	US-11-055-822-1066	Sequence 1066, Ap	502	28	36.8	232	7	US-11-096-568A-24670	Sequence 24670, A
430	29	38.2	701	7	US-11-096-568A-30506	Sequence 30506, A	503	28	36.8	233	7	US-11-096-568A-20233	Sequence 20233, A
431	29	38.2	715	7	US-11-087-099-808	Sequence 808, Appl	504	28	36.8	235	7	US-11-087-099-3863	Sequence 3863, Ap
432	29	38.2	751	7	US-11-114-906-8	Sequence 8, Appl1	505	28	36.8	235	7	US-11-096-568A-6657	Sequence 6657, Ap
433	29	38.2	757	6	US-10-055-877-157	Sequence 157, Appl	506	28	36.8	237	6	US-10-793-626-1744	Sequence 1744, Ap
434	29	38.2	764	7	US-11-114-906-6	Sequence 6, Appl1	507	28	36.8	238	7	US-11-096-568A-23995	Sequence 23995, A
435	29	38.2	776	7	US-11-114-906-22	Sequence 22, Appl	508	28	36.8	240	7	US-11-087-099-9322	Sequence 9322, Ap
436	29	38.2	789	7	US-11-114-906-32	Sequence 32, Appl	509	28	36.8	240	7	US-11-098-686-10436	Sequence 10436, A
437	29	38.2	795	6	US-10-821-234-1675	Sequence 1675, Ap	510	28	36.8	240	7	US-11-087-099-10027	Sequence 10027, A
438	29	38.2	838	7	US-11-114-906-40	Sequence 40, Appl	511	28	36.8	241	7	US-11-074-176-66	Sequence 66, Appl
439	29	38.2	851	7	US-11-114-906-38	Sequence 38, Appl	512	28	36.8	243	7	US-11-087-099-1070	Sequence 1070, Ap
440	29	38.2	863	7	US-11-114-906-32	Sequence 32, Appl	513	28	36.8	244	7	US-11-096-568A-30170	Sequence 30170, A
441	29	38.2	864	7	US-11-114-906-4	Sequence 4, Appl1	514	28	36.8	253	6	US-10-453-372-720	Sequence 720, Appl
442	29	38.2	870	7	US-11-114-906-2	Sequence 2, Appl1	515	28	36.8	253	6	US-10-453-372-730	Sequence 730, Appl
443	29	38.2	876	7	US-11-114-906-30	Sequence 30, Appl	516	28	36.8	255	7	US-11-052-554A-295	Sequence 295, Appl
444	29	38.2	879	7	US-11-096-568A-30505	Sequence 30505, A	517	28	36.8	255	7	US-11-096-568A-23884	Sequence 23884, A
445	29	38.2	889	7	US-11-114-906-20	Sequence 20, Appl	518	28	36.8	257	6	US-10-453-372-678	Sequence 678, Appl
446	29	38.2	895	7	US-11-114-906-18	Sequence 18, Appl	519	28	36.8	257	6	US-10-453-372-678	Sequence 678, Appl
447	29	38.2	951	7	US-11-114-906-36	Sequence 36, Appl	520	28	36.8	259	6	US-10-793-626-2958	Sequence 2958, Ap
448	29	38.2	957	7	US-11-114-906-24	Sequence 24, Appl	521	28	36.8	261	6	US-10-467-657-5085	Sequence 5085, Ap
449	29	38.2	976	7	US-11-114-906-28	Sequence 28, Appl	522	28	36.8	275	6	US-10-467-657-2242	Sequence 2242, Ap
450	29	38.2	982	7	US-11-114-906-26	Sequence 26, Appl	523	28	36.8	282	7	US-11-087-099-9484	Sequence 9484, Ap
451	29	38.2	1704	7	US-11-072-175-213	Sequence 213, Appl	524	28	36.8	287	7	US-11-096-568A-24669	Sequence 24669, A
452	29	38.2	1732	6	US-10-055-877-147	Sequence 147, Appl	525	28	36.8	284	7	US-11-096-568A-20332	Sequence 20332, A
453	29	38.2	2456	7	US-11-186-999-8	Sequence 8, Appl1	526	28	36.8	293	7	US-11-096-568A-30169	Sequence 30169, A
454	29	38.2	2456	7	US-11-186-999-10	Sequence 10, Appl	527	28	36.8	294	7	US-11-096-568A-11475	Sequence 11475, A
455	28.5	37.5	363	6	US-10-995-561-541	Sequence 541, Appl	528	28	36.8	295	7	US-11-096-568A-23994	Sequence 23994, A
456	28.5	37.5	375	6	US-10-995-561-540	Sequence 540, Appl	529	28	36.8	298	6	US-10-499-715-6	Sequence 6, Appl1
457	28.5	37.5	455	7	US-11-087-099-2593	Sequence 2593, Ap	530	28	36.8	303	7	US-11-096-568A-21926	Sequence 21926, A
458	28.5	37.5	497	7	US-11-010-239-85	Sequence 85, Appl1	531	28	36.8	306	7	US-11-087-099-6817	Sequence 6817, Ap
459	28.5	37.5	643	7	US-11-096-568A-32104	Sequence 32104, A	532	28	36.8	311	7	US-11-096-568A-11474	Sequence 11474, A
460	28.5	37.5	783	7	US-11-096-568A-32103	Sequence 32103, A	533	28	36.8	311	7	US-11-096-568A-33680	Sequence 33680, A
461	28.5	37.5	801	7	US-11-096-568A-32102	Sequence 32102, A	534	28	36.8	312	6	US-10-537-075-15771	Sequence 15771, A
462	28.5	37.5	2644	6	US-10-770-726-45	Sequence 45, Appl	535	28	36.8	313	7	US-11-096-568A-15771	Sequence 15771, A
463	28	36.8	18	7	US-11-033-039-1246	Sequence 1246, Ap	536	28	36.8	314	7	US-11-072-512-2917	Sequence 2917, Ap



537	28	36.8	317	6	US-10-467-657-3320	Sequence 3320, Ap	610	28	36.8	485	7	US-11-112-824-32	Sequence 32, Appl
538	28	36.8	319	7	US-11-074-176-74	Sequence 74, Appl	611	28	36.8	485	7	US-11-112-824-33	Sequence 33, Appl
539	28	36.8	322	6	US-10-993-143-24	Sequence 24, Appl	612	28	36.8	485	7	US-11-096-568A-23729	Sequence 23729, A
540	28	36.8	323	7	US-11-096-568A-24668	Sequence 24668, A	613	28	36.8	487	7	US-11-087-099-6032	Sequence 5032, Ap
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547	28	36.8	340	7	US-11-051-720-1310	Sequence 1310, Ap	620	28	36.8	505	7	US-11-096-568A-29826	Sequence 29826, A
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551	28	36.8	343	7	US-11-096-568A-21774	Sequence 21724, A	624	28	36.8	509	7	US-11-087-099-1141	Sequence 3141, Ap
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554	28	36.8	351	7	US-11-052-554A-203	Sequence 203, App	627	28	36.8	520	7	US-11-087-099-7910	Sequence 7910, Ap
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557	28	36.8	365	7	US-11-087-099-3888	Sequence 3888, Ap	630	28	36.8	533	7	US-11-087-099-12358	Sequence 12358, A
558	28	36.8	367	7	US-11-096-568A-34460	Sequence 34460, A	631	28	36.8	534	7	US-11-075-185-17	Sequence 17, Appl
559	28	36.8	373	7	US-11-096-568A-31554	Sequence 31554, A	632	28	36.8	535	6	US-10-493-909-84	Sequence 84, Appl
560	28	36.8	374	7	US-11-009-658-58	Sequence 58, Appl	633	28	36.8	537	7	US-11-218-780-6	Sequence 6, Appl
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569	28	36.8	396	7	US-11-051-720-1703	Sequence 1703, A	642	28	36.8	564	7	US-11-096-568A-29681	Sequence 29681, A
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577	28	36.8	417	7	US-11-096-568A-31333	Sequence 31333, A	650	28	36.8	615	7	US-11-072-512-1203	Sequence 3203, Ap
578	28	36.8	418	7	US-11-096-568A-29827	Sequence 29827, A	651	28	36.8	616	7	US-11-087-099-11112	Sequence 11112, A
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580	28	36.8	444	6	US-10-821-234-1476	Sequence 1476, Ap	653	28	36.8	621	7	US-11-073-457-28	Sequence 28, Appl
581	28	36.8	447	7	US-11-087-099-2456	Sequence 2456, Ap	654	28	36.8	621	7	US-11-073-460-28	Sequence 28, Appl
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583	28	36.8	448	7	US-11-087-099-10988	Sequence 10988, A	656	28	36.8	653	7	US-11-098-686-10093	Sequence 10093, A
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586	28	36.8	450	7	US-11-087-099-6582	Sequence 6582, Ap	659	28	36.8	692	7	US-11-052-554A-213	Sequence 213, App
587	28	36.8	454	7	US-11-087-099-2905	Sequence 2905, Ap	660	28	36.8	711	6	US-10-821-234-1017	Sequence 1017, Ap
588	28	36.8	455	6	US-10-793-626-718	Sequence 718, App	661	28	36.8	757	7	US-11-031-206-184	Sequence 184, App
589	28	36.8	456	7	US-11-087-099-4786	Sequence 4786, Ap	662	28	36.8	775	7	US-11-087-099-8254	Sequence 8254, Ap
590	28	36.8	458	7	US-11-087-099-5823	Sequence 5823, Ap	663	28	36.8	784	7	US-11-098-686-11370	Sequence 11370, A
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592	28	36.8	459	7	US-11-087-099-3246	Sequence 3246, Ap	665	28	36.8	798	7	US-11-031-206-192	Sequence 192, App
593	28	36.8	461	7	US-11-051-720-1426	Sequence 1426, Ap	666	28	36.8	858	6	US-10-995-561-875	Sequence 875, App
594	28	36.8	463	7	US-11-087-099-11213	Sequence 11213, A	667	28	36.8	800	7	US-11-024-959-511	Sequence 471, App
595	28	36.8	469	7	US-11-087-099-11300	Sequence 11300, A	668	28	36.8	800	7	US-11-024-959-511	Sequence 511, App
596	28	36.8	470	7	US-11-229-371-91	Sequence 91, Appl	669	28	36.8	836	7	US-11-087-099-3386	Sequence 2386, Ap
597	28	36.8	470	7	US-11-228-933-91	Sequence 91, Appl	670	28	36.8	849	7	US-11-087-099-1756	Sequence 1756, Ap
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600	28	36.8	474	7	US-11-087-099-1897	Sequence 1897, Ap	673	28	36.8	876	7	US-11-031-206-206	Sequence 206, App
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602	28	36.8	480	7	US-11-096-568A-19238	Sequence 19238, A	675	28	36.8	970	7	US-11-037-243-101	Sequence 101, App
603	28	36.8	481	7	US-11-096-568A-19237	Sequence 19237, A	676	28	36.8	1128	7	US-11-183-294-28	Sequence 28, Appl
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606	28	36.8	485	7	US-11-112-824-28	Sequence 28, Appl	679	28	36.8	1177	7	US-11-226-943-10	Sequence 10, Appl
607	28	36.8	485	7	US-11-112-824-29	Sequence 29, Appl	680	28	36.8	1177	7	US-11-226-943-12	Sequence 12, Appl
608	28	36.8	485	7	US-11-112-824-30	Sequence 30, Appl	681	28	36.8	1177	7	US-11-226-943-14	Sequence 14, Appl
609	28	36.8	485	7	US-11-112-824-31	Sequence 31, Appl	682	28	36.8	1177	7	US-11-226-943-26	Sequence 26, Appl

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684	28	36.8	1177	7	US-11-226-943-34	Sequence 34, Appl	757	27	35.5	189	6	US-10-714-887-272	Sequence 272, App
685	28	36.8	1181	6	US-10-755-092-11	Sequence 11, Appl	758	27	35.5	192	7	US-11-096-568A-17129	Sequence 17129, A
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687	28	36.8	1181	6	US-10-755-092-15	Sequence 15, Appl	760	27	35.5	200	7	US-11-096-568A-3074	Sequence 3074, App
688	28	36.8	1181	6	US-10-755-092-17	Sequence 17, Appl	761	27	35.5	200	7	US-11-096-568A-3076	Sequence 3076, App
689	28	36.8	1181	6	US-10-755-092-28	Sequence 28, Appl	762	27	35.5	201	7	US-11-249-696-1	Sequence 1, Appl1
690	28	36.8	1193	6	US-11-226-943-30	Sequence 30, Appl	763	27	35.5	203	7	US-11-249-696-3	Sequence 3, Appl1
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693	28	36.8	1504	7	US-11-019-711-98	Sequence 98, Appl	766	27	35.5	204	7	US-11-096-568A-3940	Sequence 3940, App
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697	28	36.8	2523	7	US-11-052-554A-143	Sequence 143, Appl	770	27	35.5	210	7	US-11-096-568A-12663	Sequence 12663, A
698	28	36.8	2535	7	US-11-096-568A-27511	Sequence 27511, A	771	27	35.5	211	6	US-10-981-873-181	Sequence 181, Appl
699	28	36.8	2671	6	US-10-876-787-6	Sequence 6, Appl1	772	27	35.5	212	7	US-11-212-443-48	Sequence 48, Appl
700	28	36.8	2897	6	US-10-499-715-2	Sequence 2, Appl1	773	27	35.5	215	6	US-10-793-626-1102	Sequence 1102, App
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705	27.5	36.2	258	7	US-11-096-568A-14608	Sequence 14608, A	778	27	35.5	222	7	US-11-096-568A-13125	Sequence 13125, A
706	27.5	36.2	312	6	US-10-793-626-3060	Sequence 3060, App	779	27	35.5	222	7	US-11-096-568A-15829	Sequence 15829, A
707	27.5	36.2	523	6	US-11-087-099-1873	Sequence 1873, App	780	27	35.5	222	7	US-11-096-568A-22659	Sequence 22659, A
708	27.5	36.2	523	7	US-11-087-099-6809	Sequence 6809, App	781	27	35.5	224	7	US-11-096-568A-10357	Sequence 10357, A
709	27.5	36.2	523	6	US-10-763-712A-10	Sequence 10, Appl	782	27	35.5	226	7	US-11-096-568A-20887	Sequence 20887, A
710	27.5	36.2	572	6	US-10-763-712A-37	Sequence 37, Appl	783	27	35.5	229	6	US-10-821-234-894	Sequence 894, App
711	27.5	36.2	572	6	US-10-763-712A-110	Sequence 110, App	784	27	35.5	232	6	US-10-467-657-3352	Sequence 3352, App
712	27.5	36.2	592	7	US-11-087-099-912	Sequence 912, App	785	27	35.5	232	7	US-11-096-568A-3073	Sequence 3073, App
713	27.5	36.2	663	7	US-11-087-099-3211	Sequence 3211, App	786	27	35.5	240	7	US-11-087-099-7452	Sequence 7452, App
714	27.5	36.2	669	7	US-11-087-099-2559	Sequence 2559, App	787	27	35.5	242	7	US-11-212-443-82	Sequence 82, Appl
715	27.5	36.2	687	6	US-10-055-877-203	Sequence 203, App	788	27	35.5	242	7	US-11-212-443-84	Sequence 84, Appl
716	27.5	36.2	728	7	US-11-087-099-9526	Sequence 9526, App	789	27	35.5	244	6	US-10-467-657-3330	Sequence 3330, App
717	27.5	36.2	735	7	US-11-087-099-8719	Sequence 8719, App	790	27	35.5	250	7	US-11-096-568A-15928	Sequence 15928, A
718	27.5	36.2	879	6	US-10-858-730-10	Sequence 10, Appl	791	27	35.5	253	7	US-11-096-568A-18724	Sequence 18724, A
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720	27.5	36.2	3353	7	US-11-037-243-64	Sequence 64, Appl	793	27	35.5	254	7	US-11-096-568A-15911	Sequence 15911, A
721	27	35.5	28	7	US-11-004-399-3399	Sequence 3399, App	794	27	35.5	258	6	US-10-524-647-14	Sequence 14, Appl
722	27	35.5	46	6	US-10-895-064-558	Sequence 558, App	795	27	35.5	258	6	US-10-524-647-14	Sequence 14, Appl
723	27	35.5	46	7	US-11-129-741-558	Sequence 558, App	796	27	35.5	260	7	US-11-072-512-2151	Sequence 2151, App
724	27	35.5	58	6	US-10-895-064-2684	Sequence 2684, App	797	27	35.5	273	7	US-11-096-568A-28844	Sequence 28844, App
725	27	35.5	58	7	US-11-129-741-2684	Sequence 2684, App	798	27	35.5	274	7	US-11-096-568A-25246	Sequence 25246, A
726	27	35.5	64	7	US-11-174-996A-89	Sequence 89, Appl	799	27	35.5	278	7	US-11-096-568A-2808	Sequence 2808, App
727	27	35.5	83	7	US-11-096-568A-5447	Sequence 5447, App	800	27	35.5	278	7	US-11-096-568A-10356	Sequence 10356, A
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729	27	35.5	91	7	US-11-096-568A-9670	Sequence 9670, App	802	27	35.5	281	6	US-10-467-657-3430	Sequence 3430, App
730	27	35.5	93	7	US-11-096-568A-9669	Sequence 9669, App	803	27	35.5	281	7	US-11-087-099-6447	Sequence 6447, App
731	27	35.5	95	7	US-11-129-741-3569	Sequence 3569, App	804	27	35.5	282	7	US-11-096-568A-19012	Sequence 19012, A
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734	27	35.5	102	7	US-11-096-568A-4290	Sequence 4290, App	807	27	35.5	292	7	US-11-096-568A-27765	Sequence 27765, App
735	27	35.5	107	7	US-11-096-568A-4289	Sequence 4289, App	808	27	35.5	294	7	US-11-096-568A-16316	Sequence 16316, A
736	27	35.5	110	6	US-10-793-626-2152	Sequence 2152, App	809	27	35.5	296	6	US-10-467-657-5024	Sequence 5024, App
737	27	35.5	119	7	US-11-084-508-20	Sequence 20, Appl	810	27	35.5	298	7	US-11-096-568A-16729	Sequence 16729, A
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739	27	35.5	124	7	US-11-087-099-6262	Sequence 6262, App	812	27	35.5	300	7	US-11-156-084-346	Sequence 346, App
740	27	35.5	127	7	US-11-096-568A-34144	Sequence 34144, A	813	27	35.5	301	7	US-11-096-568A-12647	Sequence 12647, A
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742	27	35.5	157	7	US-11-169-041-147	Sequence 147, App	815	27	35.5	302	7	US-11-072-512-3163	Sequence 3163, App
743	27	35.5	159	7	US-11-087-099-1692	Sequence 1692, App	816	27	35.5	302	7	US-11-096-568A-17128	Sequence 17128, A
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746	27	35.5	165	7	US-11-096-568A-9668	Sequence 9668, App	819	27	35.5	307	7	US-11-096-568A-20886	Sequence 20886, A
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## ALIGNMENTS

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; TITLE OF INVENTION: plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
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; TYPE: PRF
; ORGANISM: Oryza sativa
US-11-060-029-21

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; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
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; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
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; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
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US-11-060-029-2

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; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
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US-11-060-029-4

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; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
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US-11-060-029-17

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US-11-060-029-17

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; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 23  
; LENGTH: 353  
; TYPE: PRT  
; ORGANISM: Populus tremula x Populus tremuloides  
US-11-060-029-23

Query Match 89.5%; Score 68; DB 7; Length 353;  
Best Local Similarity 87.5%; Pred. No. 0.00011;  
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Oy 1 RYDALNVLMAMNIIIS 16  
Db 157 RYDALNVLMAMDIIS 172

RESULT 9  
US-11-096-568A-2816  
; Sequence 2816, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nickolai et al.  
; TITLE OF INVENTION: Sequence-determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 2816  
; LENGTH: 384  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(384)  
; OTHER INFORMATION: Ceres Seq. ID no. 12610325  
US-11-096-568A-2816

Query Match 63.2%; Score 48; DB 7; Length 384;  
Best Local Similarity 60.0%; Pred. No. 0.42;  
Matches 9; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYVDALNVLMAMNII 15  
|:|:|:|:|:|:|:  
Db 207 RLYDIANVLSSMNI 221

RESULT 10  
US-11-096-568A-2817  
; Sequence 2817, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nickolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT FILING DATE: 2005-04-01  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 2817  
; LENGTH: 384  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(384)  
; OTHER INFORMATION: Ceres Seq. ID no. 16625362  
US-11-096-568A-2817

Query Match 63.2%; Score 48; DB 7; Length 384;  
Best Local Similarity 60.0%; Pred. No. 0.42;  
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYVDALNVLMAMNII 15  
|:|:|:|:|:|:|:  
Db 207 RLYDIANVLSSMNI 221

RESULT 11  
US-11-096-568A-2815  
; Sequence 2815, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nickolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 2815  
; LENGTH: 385  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(385)  
; OTHER INFORMATION: Ceres Seq. ID no. 12610324  
US-11-096-568A-2815

Query Match 63.2%; Score 48; DB 7; Length 385;  
Best Local Similarity 60.0%; Pred. No. 0.43;  
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYVDALNVLMAMNII 15  
|:|:|:|:|:|:|:  
Db 208 RLYDIANVLSSMNI 222

RESULT 12  
US-10-967-648A-14  
; Sequence 14, Application US/10967648A  
; Publication No. US20050245473A1  
; GENERAL INFORMATION:

; APPLICANT: Saunders, Nicholas A  
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
; FILE REFERENCE: 12493972  
; CURRENT APPLICATION NUMBER: US/10/967,648A  
; CURRENT FILING DATE: 2004-10-15  
; PRIOR APPLICATION NUMBER: USN 60/512010  
; PRIOR FILING DATE: 2003-10-16  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 14  
; LENGTH: 904  
; TYPE: PRT  
; ORGANISM: Mouse  
US-10-967-648A-14

Query Match 60.5%; Score 46; DB 6; Length 904;  
Best Local Similarity 43.8%; Pred. No. 2.6;  
Matches 7; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

Qy 1 RYVDALNVLMAMNII 16  
|:|:|:|:|:|:|:  
Db 186 RLYDIANVLSSHLVS 201

RESULT 13  
US-11-096-568A-20252  
; Sequence 20252, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nickolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 20252  
; LENGTH: 207  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(207)  
; OTHER INFORMATION: Ceres Seq. ID no. 12381059  
US-11-096-568A-20252

Query Match 59.2%; Score 45; DB 7; Length 207;  
Best Local Similarity 53.3%; Pred. No. 0.71;  
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYVDALNVLMAMNII 15  
|:|:|:|:|:|:|:  
Db 31 RLYDIANVLSSMNI 45

RESULT 14  
US-11-096-568A-20251  
; Sequence 20251, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nickolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 20251  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
; FEATURE:

NAME/KEY: misc feature  
LOCATION: (1)..(278)  
OTHER INFORMATION: Ceres Seq. ID no. 12381058  
US-11-096-568A-20251

Query Match 59.2%; Score 45; DB 7; Length 278;  
Best Local Similarity 53.3%; Pred. No. 1;  
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYDANLVLMAMNII 15  
Db 102 RLYDIANVLSSLNLI 116

RESULT 15  
US-11-096-568A-20250

Sequence 20250, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:

APPLICANT: Alexandrov, Nickolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides

TITLE OF INVENTION: Theby

FILE REFERENCE: 2750-1592PUS2

CURRENT APPLICATION NUMBER: US/11/096,568A

CURRENT FILING DATE: 2005-04-01

NUMBER OF SEQ ID NOS: 34471

SEQ ID NO 20250

LENGTH: 287

TYPE: PRT

ORGANISM: Zea mays subsp. mays

FEATURE:

NAME/KEY: misc feature

LOCATION: (1)..(287)

OTHER INFORMATION: Ceres Seq. ID no. 12381057  
US-11-096-568A-20250

Query Match 59.2%; Score 45; DB 7; Length 287;  
Best Local Similarity 53.3%; Pred. No. 1;  
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYDANLVLMAMNII 15  
Db 111 RLYDIANVLSSLNLI 125

RESULT 16  
US-11-096-568A-18168

Sequence 18168, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:

APPLICANT: Alexandrov, Nickolai et al.

TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides

TITLE OF INVENTION: Theby

FILE REFERENCE: 2750-1592PUS2

CURRENT APPLICATION NUMBER: US/11/096,568A

CURRENT FILING DATE: 2005-04-01

NUMBER OF SEQ ID NOS: 34471

SEQ ID NO 18168

LENGTH: 425

TYPE: PRT

ORGANISM: Zea mays subsp. mays

FEATURE:

NAME/KEY: misc feature

LOCATION: (1)..(425)

OTHER INFORMATION: Ceres Seq. ID no. 12363306  
US-11-096-568A-18168

Query Match 59.2%; Score 45; DB 7; Length 425;  
Best Local Similarity 53.3%; Pred. No. 1.6;  
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYDANLVLMAMNII 15  
Db 111 RLYDIANVLSSLNLI 125

Db 233 RLYDIANVLSSLNLI 247

RESULT 17  
US-11-096-568A-18167

Sequence 18167, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:

APPLICANT: Alexandrov, Nickolai et al.

TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides

TITLE OF INVENTION: Theby

FILE REFERENCE: 2750-1592PUS2

CURRENT APPLICATION NUMBER: US/11/096,568A

CURRENT FILING DATE: 2005-04-01

NUMBER OF SEQ ID NOS: 34471

SEQ ID NO 18167

LENGTH: 444

TYPE: PRT

ORGANISM: Zea mays subsp. mays

FEATURE:

NAME/KEY: misc feature

LOCATION: (1)..(444)

OTHER INFORMATION: Ceres Seq. ID no. 12363305  
US-11-096-568A-18167

Query Match 59.2%; Score 45; DB 7; Length 444;  
Best Local Similarity 53.3%; Pred. No. 1.7;  
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYDANLVLMAMNII 15  
Db 252 RLYDIANVLSSLNLI 266

RESULT 18  
US-11-096-568A-18166

Sequence 18166, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:

APPLICANT: Alexandrov, Nickolai et al.

TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides

TITLE OF INVENTION: Theby

FILE REFERENCE: 2750-1592PUS2

CURRENT APPLICATION NUMBER: US/11/096,568A

CURRENT FILING DATE: 2005-04-01

NUMBER OF SEQ ID NOS: 34471

SEQ ID NO 18166

LENGTH: 515

TYPE: PRT

ORGANISM: Zea mays subsp. mays

FEATURE:

NAME/KEY: misc feature

LOCATION: (1)..(515)

OTHER INFORMATION: Ceres Seq. ID no. 12363304  
US-11-096-568A-18166

Query Match 59.2%; Score 45; DB 7; Length 515;  
Best Local Similarity 53.3%; Pred. No. 2;  
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 RYDANLVLMAMNII 15  
Db 323 RLYDIANVLSSLNLI 337

RESULT 19  
US-10-863-093-5

Sequence 5, Application US/10863093  
Publication No. US20050269081A1  
GENERAL INFORMATION:

APPLICANT: Andrews, William H.

APPLICANT: Foster, Christopher A.

APPLICANT: Frazer, Stephanie

```

; APPLICANT: Mohammadpour, Hamid
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING
; TITLE OF INVENTION: TELOMERASE REVERSE TRANSCRIPTASE (TERT) EXPRESSION
; FILE REFERENCE: SIER-005
; CURRENT APPLICATION NUMBER: US/10/863,093
; PRIOR APPLICATION NUMBER: US/09/932,581
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 60/227,865
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/230,174
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/238,345
; PRIOR FILING DATE: 2000-10-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 85
; TYPE: PRT
; ORGANISM: human
US-10-863-093-5
```

```
Query Match          51.3%; Score 39; DB 6; Length 85;
Best Local Similarity 43.8%; Pred. No. 3;
Matches 7; Conservative 4; Mismatches 5; Indels 0; Gaps 0;
```

```
Qy      1 RYVDALNVLMAMNIIS 16
Db      57 RYDITNVLEGIQLIA 72
```

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RESULT 20
US-10-967-648A-16
; Sequence 16, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 16
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-16
```

```
Query Match          51.3%; Score 39; DB 6; Length 121;
Best Local Similarity 43.8%; Pred. No. 4.5;
Matches 7; Conservative 4; Mismatches 5; Indels 0; Gaps 0;
```

```
Qy      1 RYVDALNVLMAMNIIS 16
Db      52 RYDITNVLEGIQLIA 67
```

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RESULT 21
US-10-967-648A-10
; Sequence 10, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
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; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 10
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-10
```

```
Query Match          51.3%; Score 39; DB 6; Length 346;
Best Local Similarity 46.7%; Pred. No. 15;
Matches 7; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
```

```
Qy      1 RYVDALNVLMAMNI 15
Db      90 RYDITNVLEGIQLI 104
```

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RESULT 22
US-11-096-568A-19243
; Sequence 19243, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nicholas et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Thereby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 19243
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(367)
; OTHER INFORMATION: Ceres Seq. ID no. 12369793
US-11-096-568A-19243
```

```
Query Match          51.3%; Score 39; DB 7; Length 367;
Best Local Similarity 46.7%; Pred. No. 16;
Matches 7; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
```

```
Qy      1 RYVDALNVLMAMNI 15
Db      130 RYDITNVLEGIQLI 144
```

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RESULT 23
US-10-967-648A-2
; Sequence 2, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 437
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-2
```

```
Query Match          51.3%; Score 39; DB 6; Length 437;
Best Local Similarity 43.8%; Pred. No. 20;
Matches 7; Conservative 4; Mismatches 5; Indels 0; Gaps 0;
```



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QY      1 RYVDALNVLAMNIIIS 16
        |:|:|:|:|:|:|:
Db      166 RYDITNVLBGIIQLIA 181
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RESULT 24
US-10-967-648A-6
; Sequence 6, Application US/10967648A
; Publication No. US20050245473A1
GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: Therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 6
; LENGTH: 465
; TYPE: PRT
; ORGANISM: Human
; US-10-967-648A-6

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RESULT 25
US-11-096-568A-19242
; Sequence 19242, Application US/11096568A
; Publication NO. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Theory
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 19242
; LENGTH: 468
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURES:
; NAME/KEY: misc feature
; LOCATION: (1)..(468)
; OTHER INFORMATION: Ceres Seq. ID no. 12369792
; US-11-096-568A-19242

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RESULT 26  
US-11-096-568A-19241  
; Sequence 19241, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.

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RESULT 27
US-10-863-093-6
: Sequence 6, Application US/10863093
: Publication No. US20050269081A1
: GENERAL INFORMATION:
: APPLICANT: Andrews, William H.
: APPLICANT: Foster, Christopher A.
: APPLICANT: Fraser, Stephanie
: APPLICANT: Mohammadpour, Hamid
: TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING
: TITLE OF INVENTION: TELOMERASE REVERSE TRANSCRIPTASE (TEXT) EXPRESSION
: FILE REFERENCE: SIER-005
: CURRENT APPLICATION NUMBER: US/10/863,093
: CURRENT FILING DATE: 2004-06-08
: PRIOR APPLICATION NUMBER: US/09/9932,581
: PRIOR FILING DATE: 2001-08-17
: PRIOR APPLICATION NUMBER: 60/227,865
: PRIOR FILING DATE: 2000-08-24
: PRIOR APPLICATION NUMBER: 60/230,174
: PRIOR FILING DATE: 2000-09-01
: PRIOR APPLICATION NUMBER: 60/238,345
: PRIOR FILING DATE: 2000-10-05
: NUMBER OF SEQ ID NOS: 25
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 6
: LENGTH: 76
: TYPE: PRT
: ORGANISM: human
: US-10-863-093-6

```

```

RESULT 28
US-10-888-613B-90
; Sequence 90, Application US/10888613B
; Publication No. US20060008911A1
GENERAL INFORMATION:
APPLICANT: Donald Danforth Plant Science Center
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING GENE EXPRESSION IN PLANTS
FILE OF INVENTION: CELLS
FILE REFERENCE: 0104850

```

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: CURRENT APPLICATION NUMBER: US/10/888,613B
:
: CURRENT FILING DATE: 2004-07-09
: NUMBER OF SEQ. ID NOS.: 93
:
: SOFTWARE: PatentIn version 3.3
: SEQ ID NO 90
:
: LENGTH: 76
:
: TYPE: PRT
:
: ORGANISM: Artificial
:
: FEATURE:
:
: OTHER INFORMATION: This sequence was artificially derived and/or created by the
:
: OTHER INFORMATION: inventors.
:
: US-10-888-613B-90

```

Query Match	50.0%	Score 38;	DB 6;	Length 76;
Best Local Similarity	46.7%	Pred. No. 3.9;		
Matches 7; Conservative	3;	Mismatches 5;	Indels 0;	Gaps 0;

```
QY      1 RYYDALNVLMAMNII 15  
       | :| | | | : : |  
Db     47 RIYDITNVEIGIGLI 61
```

```

RESULT 29
US-10-967-648A-12
; Sequence 12, Application US/10967648A
; Publication No. US20050245473A1
GENERAL INFORMATION:
APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 12
; LENGTH: 281
; TYPE: PRT
; ORGANISM: Human
; US-10-967-648A-12

```

Query Match	50.0%;	Score 38;	DB 6;	Length 281;
Best Local Similarity	46.7%;	Pred. No. 18;		
Matches	7;	Conservative	4;	Mismatches 4;
				Indels 0;
				Gaps 0;

```
OY      1 RYVDALNVLAMANTII 15
        ||| |||
        ||| |||
        :   :
Db     102 RYDITNVLDGIDLIV 116
```

```

RESULT 30
US-11-096-568A-20332
; Sequence 20332, Application US/11096568A
; Publication NO. US20060048240A1
; PUBLICATION INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Theory
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20332
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURES:
; NAME/KEY: misc feature
; LOCATION: (1)..(362)
; OTHER INFORMATION: Ceres Seq. ID no. 12381524
; US-11-096-568A-20332

```

Query Match	50.0%;	Score 38;	DB 7;	Length 362;
Best Local Similarity	46.7%;	Pred. No. 24;		
Matches	7;	Conservative	3;	Mismatches 5;
			Indels	0;
			Gaps	0;

```
QY      1 RYVDALNVLAMANNI 15
          |::| |::| : : |
Db      84 RYDITNVLGIGLI 98
```

```

RESULT 31
US-11-096-568A-3066
; Sequence 3066, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Therby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 3066
; LENGTH: 398
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(398)
; OTHER INFORMATION: Cereas Seq. ID no. 15172413
; US-11-096-568A-3066

```

Query Match	50.0%;	Score 38;	DB 7;	Length 398;
Best Local Similarity	46.7%;	Pred. No. 26;		
Matches	7;	Conservative	3;	Mismatches 5;
				Indels 0;
				Gaps 0;

```
Qy      1 RYVDALNVLMMNNII 15
          ||:|||||: :|
Db      119 RYDITNVLGIGLI 133
```

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RESULT 32
US-10-967-648A-8
: Sequence 8, Application US/10967648A
: Publication No.: US20050245473A1
: GENERAL INFORMATION:
: APPLICANT: Saunders, Nicholas A
: TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
: TITLE OF INVENTION: therefor
: FILE REFERENCE: 12493972
: CURRENT APPLICATION NUMBER: US/10/967,648A
: CURRENT FILING DATE: 2004-10-15
: PRIOR APPLICATION NUMBER: USSN 60/512010
: PRIOR FILING DATE: 2003-10-16
: NUMBER OF SEQ ID NOS: 16
: SOFTWARE: PatentIn version 3.3
: SEQ ID NO 8
: LENGTH: 413
: TYPE: PRT
: ORGANISM: Human
: US-10-967-648A-8

```

Query Match	50.0%;	Score 38;	DB 6;	Length 413;
Best Local Similarity	46.7%;	Pred. No. 28;		
Matches	7;	Conservative	3;	Mismatches 5;
				Indels 0;
				Gaps 0;

```
Qy      1 RYVDALNVLAMNII 15
         |::|||::|
Db      57 RYDITNVLEIGLI 71
```

RESULT 33  
US-10-967-648A-4



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Qy      1 RYVDALNVLMMNNII 15
         |::|||::|
Db      249 RYDITNVLGGIGLI 263
```

RESULT 38

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US-11-096-568A-20330
; Sequence 20330, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OR INVENTION: Theebdy
; FILE REFERENCE: 2/50-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20330
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(545)
; OTHER INFORMATION: Cereas Seq. ID no. 12381522
; US-11-096-568A-20330

```

Query Match	50.0%	Score 38	DB 7	Length 545
Best Local Similarity	46.7%	Pred. NC	38	
Matches 7	Conservative 3	Mismatches 5	Indels 0	Gaps 0

```

Qy      1 RYVDALNVLMMNNII 15
         |::|||:::|
Db      267 RYDITNVEGIGLI 281

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**RESULT 39**

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US-10-763-712A-122
; Sequence 122, Application US/10763712A
; Publication No. US20050266541A1
; GENERAL INFORMATION:
; APPLICANT: Solazyme, Inc.
; APPLICANT: Dillon, Harrison F.
; TITLE OF INVENTION: Methods and Compositions for Evolving Microbial Hydrogen
; TITLE OF INVENTION: Production
; FILE REFERENCE: H2042101-CIP
; CURRENT APPLICATION NUMBER: US/10/763, 712A
; CURRENT FILING DATE: 2004-01-21
; PRIOR APPLICATION NUMBER: US 10/287, 750
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/411, 910
; PRIOR FILING DATE: 2003-04-12
; PRIOR APPLICATION NUMBER: US 60/500, 032
; PRIOR FILING DATE: 2003-09-03
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 122
; LENGTH: 361
; TYPE: PRF
; ORGANISM: Rhodospirillum rubrum
; US-10-763-712A-122

```

Query Match	48.7%	Score 37	DB 6	Length 361
Best Local Similarity	77.8%	Pred. No. 35		
Matches	7	Conservative	2	Mismatches 0
				Indels 0
				Gaps 0

```
QY      3 YDALNVTLMA 11
          :| | | | :| |
Db      330 WDALNVTLMA 338
```

## RESULT 40

US-11-087-099-3735  
; Sequence 3735, Application US/11087099  
; Publication No. US20060041961A1

```

; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450)B BP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464

```

ORGANISM: Mycobacterium tuberculosis CDC1551  
US-11-087-099-3735

Query Match Similarity	48.7%;	Score 37;	Length 462;
Best Local Similarity	58.3%;	Pred. No. 47;	
Matches	7;	Conservative	4;
		Mismatches	1;
		Indels	0;
		Gaps	0;

```
QY      5 ALNVLMMANNIS 16
          |||::|||
Db     115 ALTVLSMNLIS 126
```

RESULT 41  
US-11-087-099-748

```

: Sequence 748, Application US/11087099
: Publication No. US2006004196A1
: GENERAL INFORMATION:
: APPLICANT: Abad, Mark S. et al.
: TITLE OF INVENTION: genes and uses for plant improvement
: FILE REFERENCE: 38-21(53450)B EP
: CURRENT APPLICATION NUMBER: US/11/087,099
: CURRENT FILING DATE: 2005-03-22
: NUMBER OF SEQ ID NOS: 12464
: SEQ ID NO 748
: LENGTH: 489
: TYPE: PRT
: ORGANISM: Mycobacterium tuberculosis H37Rv
: US-11-087-099-748

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Query Match Similarity	48.7%	Score 37	DB 7	Length 489
Best Local Similarity	58.3%	Pred. No. 50		
Matches 7	Conservative	4	Mismatches	1
			Indels	0
			Gaps	0

Qy	5	ALNTLMAMNIIS	16
		::   :	
Db	142	ALTIVLSMNLIS	153

RESULT 42

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US-11-096-568A-152
? Sequence 152, Application US/11096568A
? Publication No. US20060048240A1
? GENERAL INFORMATION:
? APPLICANT: Alexandrov, Nicksolai et al.
? TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides I
? TITLE OF INVENTION: Therby
? FILE REFERENCE: 2/50-1592PUS2
? CURRENT APPLICATION NUMBER: US/11/096,568A
? CURRENT FILING DATE: 2005-04-01
? NUMBER OF SEQ ID NOS: 34471
? SEQ ID NO 152
? LENGTH: 113
? TYPE: PRT
? ORGANISM: Zea mays subsp. mays
? FEATURES:
? NAME/KEY: misc_feature
? LOCATION: (1)..(113)
? OTHER INFORMATION: Ceres Seq. ID no. 13589210
? US-11-096-568A-152

```

Query Match 47.4% Score 36; DB 7; Length 113;  
Best Local Similarity 50.0%; Pred. No. 14;  
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 3 YDALNVLAMNIIS 16  
|||:|||||  
Db 92 YDVLVDVLAALSLSS 105

## RESULT 43

US-11-096-568A-153  
; Sequence 153, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nickolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: Theryby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 153  
; LENGTH: 113  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)...(113)  
; OTHER INFORMATION: Ceres Seq. ID no. 16625398  
US-11-096-568A-153

Query Match 47.4% Score 36; DB 7; Length 113;  
Best Local Similarity 50.0%; Pred. No. 14;  
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 3 YDALNVLAMNIIS 16  
|||:|||||  
Db 92 YDVLVDVLAALSLSS 105

RESULT 44  
US-11-096-568A-14850  
; Sequence 14850, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nickolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: Theryby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 14850  
; LENGTH: 134  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)...(134)  
; OTHER INFORMATION: Ceres Seq. ID no. 12340613  
US-11-096-568A-14850

Query Match 47.4% Score 36; DB 7; Length 134;  
Best Local Similarity 50.0%; Pred. No. 17;  
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 3 YDALNVLAMNIIS 16  
|||:|||||  
Db 92 YDVLVDVLAALSLSS 105

RESULT 45  
US-10-793-626-1526

; Sequence 1526, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMBERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: P03480US  
; CURRENT APPLICATION NUMBER: US/10/793,626  
; CURRENT FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1526  
; LENGTH: 321  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
US-10-793-626-1526

Query Match 47.4% Score 36; DB 6; Length 321;  
Best Local Similarity 56.2%; Pred. No. 47;  
Matches 9; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 1 RYVDALNVLAMNIIS 16  
|||:|||||  
Db 245 RYVRSGLVGLNSRITIS 260

RESULT 46  
US-11-172-145-10  
; Sequence 10, Application US/11172145  
; Publication No. US20050272696A1  
; GENERAL INFORMATION:  
; APPLICANT: DeAngelis, Paul  
; TITLE OF INVENTION: METHODS OF SELECTIVELY TREATING DISEASES WITH SPECIFIC  
; TITLE OF INVENTION: GLYCOSAMINOGLYCAN POLYMERS  
; FILE REFERENCE: 3554.104  
; CURRENT APPLICATION NUMBER: US/11/172,145  
; CURRENT FILING DATE: 2005-06-30  
; PRIOR APPLICATION NUMBER: 60/584,442  
; PRIOR FILING DATE: 2004-06-30  
; PRIOR APPLICATION NUMBER: 10/642,248  
; PRIOR FILING DATE: 2003-08-15  
; PRIOR APPLICATION NUMBER: 60/404,356  
; PRIOR FILING DATE: 2002-08-16  
; PRIOR APPLICATION NUMBER: 60/479,432  
; PRIOR FILING DATE: 2003-06-18  
; PRIOR APPLICATION NUMBER: 60/491,362  
; PRIOR FILING DATE: 2003-07-31  
; PRIOR APPLICATION NUMBER: 10/195,908  
; PRIOR FILING DATE: 2002-07-15  
; PRIOR APPLICATION NUMBER: 09/437,277  
; PRIOR FILING DATE: 1999-11-01  
; PRIOR APPLICATION NUMBER: 60/107,929  
; PRIOR FILING DATE: 1998-11-11  
; PRIOR APPLICATION NUMBER: 09/283,402  
; PRIOR FILING DATE: 1999-04-01  
; PRIOR APPLICATION NUMBER: 60/080,414  
; PRIOR FILING DATE: 1998-04-02  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 10  
; LENGTH: 651  
; TYPE: PRT  
; ORGANISM: Pasteurella multocida  
US-11-172-145-10

Query Match 47.4% Score 36; DB 7; Length 651;  
Best Local Similarity 50.0%; Pred. No. 11e+02;  
Matches 8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIS 16  
|:|||||:|:|  
Db 372 RYVDALPVPQEMSKLS 387

RESULT 47  
US-11-087-099-7122  
; Sequence 7122, Application US/11087099  
; Publication No. US20060041961A1  
; GENERAL INFORMATION:  
; APPLICANT: Abad, Mark S. et al.  
; TITLE OF INVENTION: Genes and Uses for Plant Improvement  
; FILE REFERENCE: 38-21(53450)B EP  
; CURRENT APPLICATION NUMBER: US/11/087,099  
; CURRENT FILING DATE: 2005-03-22  
; NUMBER OF SEQ ID NOS: 12464  
; SEQ ID NO 7122  
; LENGTH: 446  
; TYPE: PRT  
; ORGANISM: Enterococcus faecium  
US-11-087-099-7122

Query Match 46.1%; Score 35; DB 7; Length 446;  
Best Local Similarity 50.0%; Pred. No. 1e+02;  
Matches 6; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 5 ALNVLMAMNIS 16  
|:|||||:|:|  
Db 132 ALNVLMAMNVLA 143

RESULT 48  
US-10-821-234-1309  
; Sequence 1309, Application US/10821234  
; Publication No. US2005025511A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Steache-Crain, Birgit  
; APPLICANT: Andarman, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; CURRENT FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pc\_seq\_genes Version 1.0  
; SEQ ID NO 1309  
; LENGTH: 580  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-821-234-1309

Query Match 46.1%; Score 35; DB 6; Length 580;  
Best Local Similarity 50.0%; Pred. No. 1.4e+02;  
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAM 12  
|:|||||:|:|  
Db 312 RYDMENVLLGL 323

RESULT 49  
US-10-526-508-4  
; Sequence 4, Application US/10526508  
; Publication No. US20060014223A1  
; GENERAL INFORMATION:  
; APPLICANT: \ABURATANI, Hiroyuki  
; APPLICANT: MIDORIKAWA, Yutaka  
; APPLICANT: NAKANO, Kiyofaka  
; APPLICANT: OHIZUMI, Iwao

APPLICANT: ITO, Yukio  
; APPLICANT: TOKITA, Susumu  
; TITLE OF INVENTION: METHOD FOR DIAGNOSING CANCER BY DETECTING GPC3  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/526,508  
; PRIOR FILING DATE: 2005-03-04  
; PRIOR APPLICATION NUMBER: PCT/JP02/08997  
; PRIOR FILING DATE: 2002-09-04  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn Ver. 2.1  
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; LENGTH: 580  
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; ORGANISM: Homo sapiens  
US-10-526-508-4

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; Sequence 272, Application US/11053076  
; Publication No. US20050255460A1  
; GENERAL INFORMATION:  
; APPLICANT: Lu, Peter S.  
; APPLICANT: Schweizer, Johannes  
; APPLICANT: Somoza Diaz-Sarmiento, Chamorro  
; APPLICANT: Belmares, Michael P.  
; TITLE OF INVENTION: METHODS OF DIAGNOSING CERVICAL CANCER  
; FILE REFERENCE: VITA-008CIP  
; CURRENT APPLICATION NUMBER: US/11/053,076  
; CURRENT FILING DATE: 2005-02-07  
; PRIOR APPLICATION NUMBER: PCT/US03/28508  
; PRIOR FILING DATE: 2003-09-09  
; PRIOR APPLICATION NUMBER: 10/630,590  
; PRIOR FILING DATE: 2003-07-29  
; PRIOR APPLICATION NUMBER: 60/490,094  
; PRIOR FILING DATE: 2003-07-25  
; PRIOR APPLICATION NUMBER: 60/450,464  
; PRIOR FILING DATE: 2003-02-27  
; PRIOR APPLICATION NUMBER: 60/409,298  
; PRIOR FILING DATE: 2002-09-09  
; PRIOR APPLICATION NUMBER: 10/630,590  
; PRIOR FILING DATE: 2003-07-29  
; PRIOR APPLICATION NUMBER: PCT/US02/24655  
; PRIOR FILING DATE: 2002-08-02  
; PRIOR APPLICATION NUMBER: 60/309,841  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: 60/360,061  
; PRIOR FILING DATE: 2002-02-25  
; PRIOR APPLICATION NUMBER: 10/080,273  
; PRIOR FILING DATE: 2002-02-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 330  
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US-11-053-076-272

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Page 19

Db 155 LYDALDVVLYMD 166

Search completed: March 17, 2006, 21:19:25  
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OM protein - protein search, using sw model

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Total number of hits satisfying chosen parameters: 1867569

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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162	39	51.3	485	5	US-10-489-500-2	Sequence 2, Appl	235	38	50.0	4064	5	US-10-651-398-14-60678	Sequence 60678, A
163	39	51.3	485	5	US-10-732-923-3390	Sequence 3390, Ap	236	38	50.0	39	4	US-10-437-963-140826	Sequence 140826, A
164	39	51.3	485	5	US-10-732-923-3391	Sequence 3391, Ap	237	38	48.7	59	4	US-10-424-599-375563	Sequence 375563, A
165	39	51.3	494	4	US-10-437-963-200087	Sequence 200087, A	238	37	48.7	161	5	US-10-732-923-3378	Sequence 3378, Ap
166	39	51.3	496	4	US-10-425-114-72577	Sequence 72577, A	239	37	48.7	189	5	US-10-732-923-3381	Sequence 3381, Ap
167	39	51.3	514	5	US-10-732-923-3395	Sequence 3395, Ap	240	37	48.7	199	5	US-10-732-923-3381	Sequence 3381, Ap
168	39	51.3	514	5	US-10-732-923-3396	Sequence 3396, Ap	241	37	48.7	201	5	US-10-732-923-3374	Sequence 3374, Ap
169	39	51.3	618	4	US-10-424-599-882248	Sequence 882248, A	242	37	48.7	204	4	US-10-424-599-199429	Sequence 199429, A
170	39	51.3	29	5	US-10-752-505-1	Sequence 1, Appl	243	37	48.7	237	5	US-10-732-923-3371	Sequence 3371, Ap
171	39	51.3	29	5	US-10-752-505-1	Sequence 20, Appl	244	37	48.7				
172	38	50.0	29	5	US-10-752-505-1	Sequence 20, Appl	245	37	48.7				
173	38	50.0	29	5	US-10-752-505-20	Sequence 20, Appl	246	37	48.7				

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248	37	48.7	272	5	US-10-732-923-3369	Sequence 3369, Ap	321	35	46.1	478	4	US-10-466-759-3	Sequence 3, Appl1
249	37	48.7	272	5	US-10-732-923-3370	Sequence 3370, Ap	322	35	46.1	487	4	US-10-732-923-23868	Sequence 23868, A
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251	37	48.7	511	4	US-10-425-114-48720	Sequence 48720, A	324	35	46.1	510	4	US-10-282-122A-51376	Sequence 51376, A
252	37	48.7	527	6	US-11-097-143-12249	Sequence 12249, A	325	35	46.1	515	3	US-09-892-851-2	Sequence 2, Appl1
253	37	48.7	642	4	US-10-156-761-12411	Sequence 12411, A	326	35	46.1	515	5	US-10-897-019-2	Sequence 2, Appl1
254	37	48.7	677	4	US-10-108-260A-4521	Sequence 4521, Ap	327	35	46.1	524	4	US-10-289-762-369	Sequence 369, Appl1
255	37	48.7	742	4	US-10-424-599-147503	Sequence 147503, A	328	35	46.1	557	4	US-10-369-493-6480	Sequence 6480, App
256	37	48.7	760	4	US-10-282-122A-51167	Sequence 51167, A	329	35	46.1	561	4	US-10-369-493-6481	Sequence 6481, Ap
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259	37	48.7	1062	4	US-10-369-493-1363	Sequence 1363, App	332	35	46.1	580	4	US-10-267-502-872	Sequence 272, App
260	37	48.7	1062	4	US-10-149-310-180	Sequence 180, App	333	35	46.1	580	5	US-10-643-795A-144	Sequence 144, App
261	37	48.7	1843	4	US-10-424-599-146004	Sequence 146004, A	334	35	46.1	580	5	US-10-723-960-1733	Sequence 1733, Ap
262	36.5	48.0	235	4	US-10-424-599-200388	Sequence 200388, A	335	35	46.1	580	5	US-10-482-029-180	Sequence 180, App
263	36.5	48.0	330	6	US-11-097-143-21243	Sequence 21243, A	336	35	46.1	580	5	US-10-948-518-144	Sequence 144, App
264	36.5	48.0	371	4	US-10-437-963-173726	Sequence 173726, A	337	35	46.1	594	4	US-10-267-502-116	Sequence 116, App
265	36.5	48.0	541	4	US-10-607-266-4	Sequence 4, Appl1	338	35	46.1	602	4	US-10-267-502-314	Sequence 314, App
266	36.5	48.0	757	4	US-10-437-963-173620	Sequence 173620, A	339	35	46.1	671	6	US-11-097-143-33168	Sequence 33168, A
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268	36	47.4	134	5	US-10-739-930-8588	Sequence 8588, Ap	341	35	46.1	756	4	US-10-389-566-1070	Sequence 1070, Ap
269	36	47.4	144	4	US-10-437-963-194716	Sequence 194716, A	342	35	46.1	955	4	US-10-156-761-15004	Sequence 15004, Ap
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274	36	47.4	279	5	US-10-739-930-9307	Sequence 9307, Ap	347	35	46.1	1178	4	US-10-359-493-21939	Sequence 21939, A
275	36	47.4	319	5	US-10-732-923-3414	Sequence 3414, A	348	35	46.1	1180	4	US-10-369-493-1491	Sequence 1491, Ap
276	36	47.4	341	4	US-10-282-122A-71071	Sequence 71071, A	349	35	46.1	1243	5	US-10-840-512-165	Sequence 165, App
277	36	47.4	342	4	US-10-724-972A-5255	Sequence 5255, Ap	350	35	46.1	1244	3	US-09-815-316-8	Sequence 8, Appl1
278	36	47.4	350	5	US-10-739-930-8799	Sequence 8799, Ap	351	35	46.1	1244	4	US-10-393-316-8	Sequence 84, Appl1
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282	36	47.4	651	4	US-10-282-122A-66992	Sequence 66992, A	355	35	45.4	2049	5	US-10-732-923-8332	Sequence 8332, Ap
283	36	47.4	651	4	US-10-642-248-8	Sequence 8, Appl1	356	35	45.4	312	3	US-09-886-055-511	Sequence 511, App
284	36	47.4	651	4	US-10-814-752-6	Sequence 6, Appl1	357	34.5	45.4	312	3	US-09-804-291-511	Sequence 511, App
285	36	47.4	651	4	US-10-814-752-34	Sequence 34, Appl1	358	34.5	45.4	312	4	US-10-085-198-198	Sequence 198, App
286	36	47.4	758	4	US-10-389-566-2254	Sequence 2254, App	359	34.5	45.4	312	4	US-10-433-581-7	Sequence 7, Appl1
287	36	47.4	758	4	US-10-389-566-2255	Sequence 2255, Ap	360	34.5	45.4	312	5	US-10-819-316-511	Sequence 511, App
288	36	47.4	854	4	US-10-437-963-199542	Sequence 199542, A	361	34.5	45.4	319	4	US-10-085-198-204	Sequence 204, App
289	36	47.4	879	5	US-09-940-227-78	Sequence 78, Appl1	362	34.5	45.4	359	4	US-10-017-161-678	Sequence 678, App
290	36	47.4	879	5	US-10-933-058-78	Sequence 78, Appl1	363	34.5	45.4	359	4	US-10-292-798-594	Sequence 594, App
291	36	47.4	888	4	US-10-231-035-3	Sequence 3, Appl1	364	34	44.7	33	4	US-10-437-963-192730	Sequence 192730, A
292	36	47.4	888	5	US-10-756-149-5265	Sequence 5265, Ap	365	34	44.7	51	5	US-10-926-683-1231	Sequence 1231, Ap
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294	36	47.4	1510	4	US-10-282-122A-49816	Sequence 49816, A	367	34	44.7	62	4	US-10-425-115-297615	Sequence 297615, A
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297	35	46.1	63	3	US-09-764-872-344	Sequence 344, App	370	34	44.7	67	4	US-10-424-599-112498	Sequence 212498, A
298	35	46.1	67	4	US-10-724-972A-3840	Sequence 3840, App	371	34	44.7	80	3	US-09-801-574-48	Sequence 48, Appl1
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310	35	46.1	326	4	US-10-437-963-187198	Sequence 187198, A	383	34	44.7	225	4	US-10-424-599-108000	Sequence 208000, A
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313	35	46.1	416	5	US-10-732-923-23860	Sequence 23860, A	386	34	44.7	227	3	US-09-882-227-628	Sequence 628, App
314	35	46.1	418	4	US-10-282-122A-49150	Sequence 49150, A	387	34	44.7	227	4	US-10-335-927-8034	Sequence 8034, App
315	35	46.1	447	4	US-10-424-599-14818	Sequence 14818, A	388	34	44.7	231	5	US-10-908-400A-88	Sequence 88, Appl1
316	35	46.1	448	4	US-10-087-152-135	Sequence 135, App	389	34	44.7	232	4	US-10-008-960-6	Sequence 6, Appl1
317	35	46.1	452	4	US-10-369-493-861	Sequence 861, App	390	34	44.7	232	5	US-10-908-400A-89	Sequence 89, Appl1
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394	34	44.7	239	4	US-10-282-1222A-44341	Sequence 44341, A	467	34	44.7	358	4	US-10-261-517-23	Sequence 22, Appl
395	34	44.7	239	4	US-09-823-153-7	Sequence 7, Appli	468	34	44.7	359	4	US-10-322-746-17	Sequence 11, Appl
396	34	44.7	239	4	US-10-335-977-8035	Sequence 8035, Ap	469	34	44.7	364	3	US-09-788-268-14	Sequence 14, Appl
397	34	44.7	239	4	US-10-713-981-7	Sequence 7, Appli	470	34	44.7	364	3	US-09-788-269-14	Sequence 14, Appl
398	34	44.7	239	5	US-10-908-400A-82	Sequence 82, Appli	471	34	44.7	366	4	US-10-322-746-15	Sequence 15, Appl
399	34	44.7	239	5	US-10-908-400A-83	Sequence 83, Appli	472	34	44.7	366	5	US-10-908-400A-76	Sequence 76, Appli
400	34	44.7	242	5	US-10-425-114-56430	Sequence 56430, A	473	34	44.7	367	5	US-10-223-978-7	Sequence 7, Appli
401	34	44.7	245	4	US-10-267-311-23	Sequence 23, Appli	474	34	44.7	371	4	US-10-713-951-7	Sequence 7, Appli
402	34	44.7	245	5	US-10-679-956-23	Sequence 23, Appli	475	34	44.7	372	4	US-10-437-963-170584	Sequence 170584
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405	34	44.7	252	4	US-10-677-956-18	Sequence 18, Appli	478	34	44.7	377	4	US-10-322-746-13	Sequence 13, Appli
406	34	44.7	258	5	US-10-908-400A-87	Sequence 87, Appli	479	34	44.7	379	4	US-10-375-214-3	Sequence 3, Appli
407	34	44.7	261	5	US-10-908-400A-78	Sequence 78, Appli	480	34	44.7	385	4	US-10-437-963-131195	Sequence 131195
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409	34	44.7	263	4	US-10-437-963-130784	Sequence 130784, A	482	34	44.7	397	4	US-10-008-960-11	Sequence 11, Appli
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411	34	44.7	271	5	US-10-908-400A-80	Sequence 80, Appli	484	34	44.7	406	4	US-10-437-963-179739	Sequence 179739
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413	34	44.7	272	3	US-09-844-908-6	Sequence 6, Appli	486	34	44.7	412	3	US-09-775-964-34	Sequence 34, Appli
414	34	44.7	272	3	US-09-844-988-4	Sequence 4, Appli	487	34	44.7	415	5	US-10-450-763-56730	Sequence 56730, A
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417	34	44.7	272	4	US-10-338-462-6	Sequence 6, Appli	490	34	44.7	418	4	US-10-289-456-95	Sequence 95, Appli
418	34	44.7	275	4	US-10-223-978-5	Sequence 5, Appli	491	34	44.7	419	4	US-10-050-902-318	Sequence 318, App
419	34	44.7	275	5	US-10-713-951-5	Sequence 5, Appli	492	34	44.7	419	4	US-10-050-898-318	Sequence 7, Appli
420	34	44.7	276	4	US-10-424-599-235403	Sequence 235403, A	493	34	44.7	422	3	US-09-824-438-7	Sequence 290, App
421	34	44.7	276	5	US-10-908-400A-86	Sequence 86, Appli	494	34	44.7	427	4	US-10-050-902-290	Sequence 290, App
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425	34	44.7	282	3	US-09-844-908-5	Sequence 5, Appli	498	34	44.7	459	4	US-10-424-599-275168	Sequence 275168
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431	34	44.7	288	4	US-10-767-701-38154	Sequence 38154, A	504	34	44.7	470	4	US-10-902-959-20	Sequence 20, Appli
432	34	44.7	296	4	US-10-425-115-323918	Sequence 323918, A	505	34	44.7	478	4	US-10-369-493-11602	Sequence 11602, A
433	34	44.7	298	3	US-09-910-600-26	Sequence 26, Appli	506	34	44.7	478	4	US-10-369-493-14456	Sequence 14456, A
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436	34	44.7	305	4	US-10-282-122A-44032	Sequence 44032, A	509	34	44.7	487	4	US-10-156-761-9216	Sequence 9216, App
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439	34	44.7	308	5	US-10-713-951-6	Sequence 6, Appli	512	34	44.7	504	4	US-10-050-898-289	Sequence 289, App
440	34	44.7	310	5	US-10-375-214-1	Sequence 1, Appli	513	34	44.7	507	6	US-11-027-143-40926	Sequence 40926, A
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442	34	44.7	321	3	US-09-815-242-12514	Sequence 12514, A	515	34	44.7	514	4	US-10-044-539-319	Sequence 319, App
443	34	44.7	323	3	US-09-815-242-12514	Sequence 12514, A	516	34	44.7	514	4	US-10-325-810-605	Sequence 605, App
444	34	44.7	323	3	US-09-815-242-12857	Sequence 12857, A	517	34	44.7	514	4	US-10-369-493-12730	Sequence 12730, A
445	34	44.7	324	4	US-10-267-311-25	Sequence 25, Appli	518	34	44.7	514	5	US-10-877-124-605	Sequence 605, App
446	34	44.7	324	5	US-10-679-956-25	Sequence 25, Appli	519	34	44.7	514	5	US-10-877-022-605	Sequence 605, App
447	34	44.7	331	5	US-09-824-438-6	Sequence 6, Appli	520	34	44.7	514	5	US-10-877-146-605	Sequence 605, App
448	34	44.7	332	5	US-10-721-922A-300	Sequence 300, App	521	34	44.7	515	4	US-10-044-692-318	Sequence 318, App
449	34	44.7	335	4	US-10-282-122A-71667	Sequence 71667, A	522	34	44.7	515	4	US-10-044-539-318	Sequence 318, App
450	34	44.7	335	4	US-10-423-156-5	Sequence 5, Appli	523	34	44.7	515	4	US-10-325-810-604	Sequence 604, App
451	34	44.7	336	4	US-10-414-256-23	Sequence 23, Appli	524	34	44.7	515	5	US-10-877-124-604	Sequence 604, App
452	34	44.7	338	4	US-10-322-746-23	Sequence 23, Appli	525	34	44.7	515	5	US-10-877-022-604	Sequence 604, App
453	34	44.7	339	4	US-10-425-114-54506	Sequence 54506, A	526	34	44.7	515	5	US-10-877-146-604	Sequence 604, App
454	34	44.7	341	4	US-10-336-491-2	Sequence 2, Appli	527	34	44.7	517	5	US-10-732-923-767	Sequence 767, App
455	34	44.7	341	4	US-10-815-495-24	Sequence 24, Appli	528	34	44.7	517	4	US-10-044-692-320	Sequence 320, App
456	34	44.7	341	6	US-11-132-506-2	Sequence 2, Appli	529	34	44.7	517	4	US-10-044-692-320	Sequence 320, App
457	34	44.7	343	4	US-10-322-746-2	Sequence 2, Appli	530	34	44.7	517	4	US-10-325-810-606	Sequence 606, App
458	34	44.7	344	4	US-10-322-746-21	Sequence 21, Appli	531	34	44.7	517	4	US-10-686-947-230	Sequence 230, App
459	34	44.7	348	3	US-09-910-600-22	Sequence 22, Appli	532	34	44.7	517	5	US-10-877-124-606	Sequence 606, App
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544	34	44.7	534	4	US-10-425-114-39261	Sequence 39261, A	617	33	43.4	85	4	US-10-424-599-114637	Sequence 214637,
545	34	44.7	538	4	US-10-044-692-316	Sequence 316, App	618	33	43.4	97	4	US-10-424-599-144715	Sequence 144715,
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559	34	44.7	649	4	US-10-174-784-9	Sequence 9, App	632	33	43.4	160	4	US-10-437-963-160643	Sequence 160643,
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562	34	44.7	692	3	US-09-770-564-19	Sequence 19, App	635	33	43.4	198	4	US-10-424-599-180450	Sequence 180450,
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564	34	44.7	692	4	US-10-624-619A-19	Sequence 19, App	637	33	43.4	203	4	US-10-767-701-35159	Sequence 35159, A
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566	34	44.7	709	4	US-10-282-122A-61401	Sequence 61401, A	639	33	43.4	211	4	US-10-236-217-216	Sequence 216, App
567	34	44.7	709	5	US-10-756-149-5752	Sequence 5752, App	640	33	43.4	214	4	US-10-424-599-219097	Sequence 219097,
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569	34	44.7	732	4	US-10-437-963-176871	Sequence 176871,	642	33	43.4	220	4	US-10-282-122A-73180	Sequence 73180, A
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571	34	44.7	763	4	US-10-389-566-612	Sequence 612, App	644	33	43.4	232	4	US-10-282-122A-77769	Sequence 77769, A
572	34	44.7	782	4	US-10-425-115-264583	Sequence 264583,	645	33	43.4	233	4	US-10-282-122A-56064	Sequence 56064, A
573	34	44.7	784	3	US-09-769-787-36	Sequence 36, App	646	33	43.4	234	3	US-09-815-242-13737	Sequence 13737, A
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577	34	44.7	829	4	US-10-624-619A-33	Sequence 33, App	650	33	43.4	239	3	US-09-738-626-6023	Sequence 5023, App
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583	34	44.7	869	6	US-11-097-143-41061	Sequence 41061, A	656	33	43.4	287	4	US-10-424-599-209574	Sequence 209574, A
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586	34	44.7	921	5	US-10-795-159-733	Sequence 733, App	659	33	43.4	319	4	US-10-369-493-10195	Sequence 10195, A
587	34	44.7	921	5	US-10-795-159-753	Sequence 753, App	660	33	43.4	331	4	US-10-773-618-48	Sequence 48, App
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590	34	44.7	998	4	US-10-081-408-20	Sequence 20, App	663	33	43.4	349	4	US-10-369-493-31956	Sequence 21956, A
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593	34	44.7	1127	4	US-10-282-122A-64810	Sequence 64810, A	666	33	43.4	362	4	US-10-250-682-2	Sequence 2, App
594	34	44.7	1140	3	US-09-950-63A-4	Sequence 4, App	667	33	43.4	366	2	US-08-545-573A-1	Sequence 1, App
595	34	44.7	1140	3	US-10-688-016-4	Sequence 4, App	668	33	43.4	372	5	US-10-501-262-852	Sequence 582, App
596	34	44.7	1192	5	US-10-450-763-60103	Sequence 60103, A	669	33	43.4	376	4	US-10-282-122A-48627	Sequence 48627, A
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598	34	44.7	1196	3	US-10-624-619A-31	Sequence 31, App	671	33	43.4	385	4	US-10-282-122A-477134	Sequence 477134, A
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601	34	44.7	1252	4	US-10-012-762-20	Sequence 20, App	674	33	43.4	386	4	US-10-258-147-4	Sequence 4, App
602	34	44.7	1252	4	US-10-651-183-20	Sequence 20, App	675	33	43.4	389	4	US-10-136-761-8091	Sequence 8091, App
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608	34	44.7	53	4	US-10-425-115-349093	Sequence 349093,	681	33	43.4	409	4	US-10-267-311-55	Sequence 55, App
609	34	44.7	54	4	US-10-424-599-268932	Sequence 268932,	682	33	43.4	409	5	US-10-679-956-55	Sequence 55, App
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611	34	44.7	59	4	US-10-424-599-264443	Sequence 264443,	684	33	43.4	419	4	US-10-345-680-65	Sequence 65, App

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686	33	43.4	419	4	US-10-072-012-786	Sequence 786, App	759	33	43.4	458	4	US-10-180-559-498	Sequence 488, App
687	33	43.4	419	4	US-10-236-417-214	Sequence 214, App	760	33	43.4	458	4	US-10-181-000-498	Sequence 488, App
688	33	43.4	419	4	US-10-236-417-220	Sequence 220, App	761	33	43.4	458	4	US-10-183-010-498	Sequence 488, App
689	33	43.4	419	4	US-10-451-821-3	Sequence 3, App1	762	33	43.4	458	4	US-10-183-012-498	Sequence 488, App
690	33	43.4	419	5	US-10-733-969A-72	Sequence 72, App1	763	33	43.4	458	4	US-10-184-614-498	Sequence 488, App
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694	33	43.4	427	4	US-10-424-599-152708	Sequence 152708, App	767	33	43.4	458	4	US-10-184-646-498	Sequence 488, App
695	33	43.4	448	3	US-09-768-826-32	Sequence 32, App1	768	33	43.4	458	4	US-10-184-647-498	Sequence 488, App
696	33	43.4	448	3	US-09-833-245-3252	Sequence 2352, App	769	33	43.4	458	4	US-10-184-652-498	Sequence 488, App
697	33	43.4	448	5	US-10-874-484-32	Sequence 32, App1	770	33	43.4	458	4	US-10-187-594-498	Sequence 488, App
698	33	43.4	450	4	US-10-369-493-13626	Sequence 13626, A	771	33	43.4	458	4	US-10-187-595-498	Sequence 488, App
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700	33	43.4	458	3	US-09-969-680A-28	Sequence 28, App1	773	33	43.4	458	4	US-10-187-885-498	Sequence 488, App
701	33	43.4	458	4	US-10-052-586-498	Sequence 498, App	774	33	43.4	458	4	US-10-187-886-498	Sequence 488, App
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703	33	43.4	458	4	US-10-176-758-498	Sequence 498, App	776	33	43.4	458	4	US-10-196-756-498	Sequence 488, App
704	33	43.4	458	4	US-10-175-737-498	Sequence 498, App	777	33	43.4	458	4	US-10-176-751-498	Sequence 488, App
705	33	43.4	458	4	US-10-174-581-498	Sequence 498, App	778	33	43.4	458	4	US-10-176-760-498	Sequence 488, App
706	33	43.4	458	4	US-10-176-483-498	Sequence 498, App	779	33	43.4	458	4	US-10-176-990-498	Sequence 488, App
707	33	43.4	458	4	US-10-176-749-498	Sequence 498, App	780	33	43.4	458	4	US-10-180-541-498	Sequence 488, App
708	33	43.4	458	4	US-10-176-914-498	Sequence 498, App	781	33	43.4	458	4	US-10-180-542-498	Sequence 488, App
709	33	43.4	458	4	US-10-176-915-498	Sequence 498, App	782	33	43.4	458	4	US-10-180-548-498	Sequence 488, App
710	33	43.4	458	4	US-10-173-706-498	Sequence 498, App	783	33	43.4	458	4	US-10-180-551-498	Sequence 488, App
711	33	43.4	458	4	US-10-175-728-498	Sequence 498, App	784	33	43.4	458	4	US-10-180-998-498	Sequence 488, App
712	33	43.4	458	4	US-10-175-752-498	Sequence 498, App	785	33	43.4	458	4	US-10-183-013-498	Sequence 488, App
713	33	43.4	458	4	US-10-176-482-498	Sequence 498, App	786	33	43.4	458	4	US-10-183-019-498	Sequence 488, App
714	33	43.4	458	4	US-10-176-757-498	Sequence 498, App	787	33	43.4	458	4	US-10-184-612-498	Sequence 488, App
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716	33	43.4	458	4	US-10-180-552-498	Sequence 498, App	789	33	43.4	458	4	US-10-184-617-498	Sequence 488, App
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718	33	43.4	458	4	US-10-173-700-498	Sequence 498, App	791	33	43.4	458	4	US-10-184-628-498	Sequence 488, App
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722	33	43.4	458	4	US-10-174-588-498	Sequence 498, App	795	33	43.4	458	4	US-10-184-632-498	Sequence 488, App
723	33	43.4	458	4	US-10-175-729-498	Sequence 498, App	796	33	43.4	458	4	US-10-184-636-498	Sequence 488, App
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725	33	43.4	458	4	US-10-175-743-498	Sequence 498, App	798	33	43.4	458	4	US-10-184-650-498	Sequence 488, App
726	33	43.4	458	4	US-10-176-488-498	Sequence 498, App	799	33	43.4	458	4	US-10-184-651-498	Sequence 488, App
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728	33	43.4	458	4	US-10-176-747-498	Sequence 498, App	801	33	43.4	458	4	US-10-187-597-498	Sequence 488, App
729	33	43.4	458	4	US-10-176-985-498	Sequence 498, App	802	33	43.4	458	4	US-10-187-598-498	Sequence 488, App
730	33	43.4	458	4	US-10-176-985-498	Sequence 498, App	803	33	43.4	458	4	US-10-187-600-498	Sequence 488, App
731	33	43.4	458	4	US-10-176-987-498	Sequence 498, App	804	33	43.4	458	4	US-10-187-601-498	Sequence 488, App
732	33	43.4	458	4	US-10-176-992-498	Sequence 498, App	805	33	43.4	458	4	US-10-187-602-498	Sequence 488, App
733	33	43.4	458	4	US-10-176-993-498	Sequence 498, App	806	33	43.4	458	4	US-10-187-603-498	Sequence 488, App
734	33	43.4	458	4	US-10-184-658-498	Sequence 498, App	807	33	43.4	458	4	US-10-187-741-498	Sequence 488, App
735	33	43.4	458	4	US-10-176-991-498	Sequence 498, App	808	33	43.4	458	4	US-10-187-743-498	Sequence 488, App
736	33	43.4	458	4	US-10-173-695-498	Sequence 498, App	809	33	43.4	458	4	US-10-187-746-498	Sequence 488, App
737	33	43.4	458	4	US-10-173-697-498	Sequence 498, App	810	33	43.4	458	4	US-10-187-747-498	Sequence 488, App
738	33	43.4	458	4	US-10-173-705-498	Sequence 498, App	811	33	43.4	458	4	US-10-187-751-498	Sequence 488, App
739	33	43.4	458	4	US-10-174-576-498	Sequence 498, App	812	33	43.4	458	4	US-10-187-753-498	Sequence 488, App
740	33	43.4	458	4	US-10-174-585-498	Sequence 498, App	813	33	43.4	458	4	US-10-187-754-498	Sequence 488, App
741	33	43.4	458	4	US-10-174-586-498	Sequence 498, App	814	33	43.4	458	4	US-10-187-757-498	Sequence 488, App
742	33	43.4	458	4	US-10-175-747-498	Sequence 498, App	815	33	43.4	458	4	US-10-187-884-498	Sequence 488, App
743	33	43.4	458	4	US-10-176-481-498	Sequence 498, App	816	33	43.4	458	4	US-10-188-767-498	Sequence 488, App
744	33	43.4	458	4	US-10-176-485-498	Sequence 498, App	817	33	43.4	458	4	US-10-188-769-498	Sequence 488, App
745	33	43.4	458	4	US-10-176-487-498	Sequence 498, App	818	33	43.4	458	4	US-10-188-770-498	Sequence 488, App
746	33	43.4	458	4	US-10-176-493-498	Sequence 498, App	819	33	43.4	458	4	US-10-188-773-498	Sequence 488, App
747	33	43.4	458	4	US-10-176-756-498	Sequence 498, App	820	33	43.4	458	4	US-10-188-781-498	Sequence 488, App
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749	33	43.4	458	4	US-10-176-919-498	Sequence 498, App	822	33	43.4	458	4	US-10-194-623-498	Sequence 488, App
750	33	43.4	458	4	US-10-176-925-498	Sequence 498, App	823	33	43.4	458	4	US-10-195-897-498	Sequence 488, App
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752	33	43.4	458	4	US-10-179-510-498	Sequence 498, App	825	33	43.4	458	4	US-10-195-902-498	Sequence 488, App
753	33	43.4	458	4	US-10-180-543-498	Sequence 498, App	826	33	43.4	458	4	US-10-196-743-498	Sequence 488, App
754	33	43.4	458	4	US-10-180-544-498	Sequence 498, App	827	33	43.4	458	4	US-10-196-760-498	Sequence 488, App
755	33	43.4	458	4	US-10-180-546-498	Sequence 498, App	828	33	43.4	458	4	US-10-173-708-498	Sequence 488, App
756	33	43.4	458	4	US-10-180-547-498	Sequence 498, App	829	33	43.4	458	4	US-10-176-479-498	Sequence 488, App
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832	33	43.4	458	4	US-10-179-507-498	Sequence 498, App	905	33	43.4	458	4	US-10-201-856-498	Sequence 498, App
833	33	43.4	458	4	US-10-179-516-498	Sequence 498, App	906	33	43.4	458	4	US-10-202-465-498	Sequence 498, App
834	33	43.4	458	4	US-10-179-519-498	Sequence 498, App	907	33	43.4	458	4	US-10-202-470-498	Sequence 498, App
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836	33	43.4	458	4	US-10-180-540-498	Sequence 498, App	909	33	43.4	458	4	US-10-202-934-498	Sequence 498, App
837	33	43.4	458	4	US-10-180-545-498	Sequence 498, App	910	33	43.4	458	4	US-10-202-935-498	Sequence 498, App
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841	33	43.4	458	4	US-10-183-019-498	Sequence 498, App	914	33	43.4	458	4	US-10-205-509-498	Sequence 498, App
842	33	43.4	458	4	US-10-184-618-498	Sequence 498, App	915	33	43.4	458	4	US-10-205-895-498	Sequence 498, App
843	33	43.4	458	4	US-10-184-625-498	Sequence 498, App	916	33	43.4	458	4	US-10-205-899-498	Sequence 498, App
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847	33	43.4	458	4	US-10-184-654-498	Sequence 498, App	920	33	43.4	458	4	US-10-183-002-498	Sequence 498, App
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851	33	43.4	458	4	US-10-194-462-498	Sequence 498, App	924	33	43.4	458	4	US-10-187-887-498	Sequence 498, App
852	33	43.4	458	4	US-10-196-745-498	Sequence 498, App	925	33	43.4	458	4	US-10-194-461-498	Sequence 498, App
853	33	43.4	458	4	US-10-196-762-498	Sequence 498, App	926	33	43.4	458	4	US-10-195-892-498	Sequence 498, App
854	33	43.4	458	4	US-10-197-635-498	Sequence 498, App	927	33	43.4	458	4	US-10-196-751-498	Sequence 498, App
855	33	43.4	458	4	US-10-195-894-498	Sequence 498, App	928	33	43.4	458	4	US-10-197-634-498	Sequence 498, App
856	33	43.4	458	4	US-10-176-484-498	Sequence 498, App	929	33	43.4	458	4	US-10-197-637-498	Sequence 498, App
857	33	43.4	458	4	US-10-176-753-498	Sequence 498, App	930	33	43.4	458	4	US-10-197-707-498	Sequence 498, App
858	33	43.4	458	4	US-10-176-917-498	Sequence 498, App	931	33	43.4	458	4	US-10-199-303-498	Sequence 498, App
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979 33 43.4 458 4 US-10-201-329-498 Sequence 498, App
980 33 43.4 458 4 US-10-202-412-498 Sequence 498, App
981 33 43.4 458 4 US-10-206-919-498 Sequence 498, App
982 33 43.4 458 4 US-10-206-922-498 Sequence 498, App
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984 33 43.4 458 4 US-10-206-928-498 Sequence 498, App
985 33 43.4 458 4 US-10-207-914-498 Sequence 498, App
986 33 43.4 458 4 US-10-207-921-498 Sequence 498, App
987 33 43.4 458 4 US-10-207-922-498 Sequence 498, App
988 33 43.4 458 4 US-10-208-027-498 Sequence 498, App
989 33 43.4 458 4 US-10-196-757-498 Sequence 498, App
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992 33 43.4 458 4 US-10-176-746-498 Sequence 498, App
993 33 43.4 458 4 US-10-176-923-498 Sequence 498, App
994 33 43.4 458 4 US-10-183-011-498 Sequence 498, App
995 33 43.4 458 4 US-10-184-633-498 Sequence 498, App
996 33 43.4 458 4 US-10-184-639-498 Sequence 498, App
997 33 43.4 458 4 US-10-187-742-498 Sequence 498, App
998 33 43.4 458 4 US-10-187-748-498 Sequence 498, App
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1000 33 43.4 458 4 US-10-188-771-498 Sequence 498, App
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## ALIGNMENTS

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RESULT 1
US-09-900-147-5
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; Sequence 5, Application US/09900147
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; Patent No. US20020103121A1
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; GENERAL INFORMATION:
```

```
; APPLICANT: La Thangue, Nicholas B
```

```
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
```

```
; FILE REFERENCE: 620-67
```

```
; CURRENT APPLICATION NUMBER: US/09/900.147
```

```
; PRIOR FILING DATE: 2001-07-09
```

```
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
```

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; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
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; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
```

```
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
```

```
; NUMBER OF SEQ ID NOS: 18
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; SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 5
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; LENGTH: 16
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; TYPE: PRT
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; ORGANISM: Artificial Sequence
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; FEATURE:
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; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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US-09-900-147-5
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Query Match 100.0%; Score 76; DB 3; Length 16;
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Best Local Similarity 100.0%; Pred. No. 1.3e-06;
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Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 RYVDALNVLMAMNTIS 16
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DB 1 RYVDALNVLMAMNTIS 16
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RESULT 2
US-09-900-147-3
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; Sequence 3, Application US/09900147
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; Patent No. US20020103121A1
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; GENERAL INFORMATION:
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```
; APPLICANT: La Thangue, Nicholas B
```

```
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
```

```
; FILE REFERENCE: 620-67
```

```
; CURRENT APPLICATION NUMBER: US/09/900.147
```

```
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
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US-09-900-147-3
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Best Local Similarity 100.0%; Pred. No. 1.6e-06;
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Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 RYVDALNVLMAMNTIS 16
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```
DB 3 RYVDALNVLMAMNTIS 18
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RESULT 3
US-10-752-505-22
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; Sequence 22, Application US/10752505
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```
; Publication No. US20050137138A1
```

```
; GENERAL INFORMATION:
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```
; APPLICANT: Shubata, Kenji
```

```
; APPLICANT: Yamaseaki, Motoo
```

```
; APPLICANT: Yoshida, Tetsuo
```

```
; APPLICANT: Mizukami, Tamio
```

```
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound
```

```
; FILE REFERENCE: 766.29
```

```
; CURRENT APPLICATION NUMBER: US/10/752.505
```

```
; PRIOR FILING DATE: 2004-01-08
```

```
; PRIOR APPLICATION NUMBER: US/09/269,576
```

```
; PRIOR FILING DATE: 1999-03-30
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; PRIOR APPLICATION NUMBER: PCT/JP97/03442
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```
; PRIOR FILING DATE: 1997-09-26
```

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; PRIOR APPLICATION NUMBER: JP 259432/1996
```

```
; PRIOR FILING DATE: 1996-09-30
```

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; NUMBER OF SEQ ID NOS: 27
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; SOFTWARE: WordPerfect 8
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; SEQ ID NO 22
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; LENGTH: 28
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; TYPE: PRT
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; ORGANISM: Artificial Sequence
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; FEATURE:
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; OTHER INFORMATION: Synthetic
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```
US-10-752-505-22
```

```
Query Match 100.0%; Score 76; DB 5; Length 28;
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```
Best Local Similarity 100.0%; Pred. No. 2.6e-06;
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Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 RYVDALNVLMAMNTIS 16
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```
DB 13 RYVDALNVLMAMNTIS 28
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RESULT 4
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US-10-752-505-24
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```
; Sequence 24, Application US/10752505
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```
; Publication No. US20050137138A1
```

```
; GENERAL INFORMATION:
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```
; APPLICANT: Shubata, Kenji
```

```
; APPLICANT: Yamaseaki, Motoo
```

```
; APPLICANT: Yoshida, Tetsuo
```

```
; APPLICANT: Mizukami, Tamio
```

```
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound
```

```
; FILE REFERENCE: 766.29
```



;; CURRENT APPLICATION NUMBER: US/10/752.505  
;; CURRENT FILING DATE: 2004-01-08  
;; PRIOR APPLICATION NUMBER: US/09/269.576  
;; PRIOR FILING DATE: 1999-03-30  
;; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
;; PRIOR FILING DATE: 1997-09-26  
;; PRIOR APPLICATION NUMBER: JP 259432/1996  
;; PRIOR FILING DATE: 1996-09-30  
;; NUMBER OF SEQ ID NOS: 27  
;; SOFTWARE: Wordperfect 8  
;; SEQ ID NO 24  
;; LENGTH: 28  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Synthetic  
US-10-752-505-24

Query Match 100.0%; Score 76; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVTMMNTIS 16  
Db 13 RYDALNVTMMNTIS 28

## RESULT 5

US-09-900-147-1  
;; Sequence 1, Application US/09900147  
;; Patent No. US20020103121A1  
;; GENERAL INFORMATION:  
;; APPLICANT: La Thangue, Nicholas B  
;; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
;; FILE REFERENCE: 620-67  
;; CURRENT APPLICATION NUMBER: US/09/900.147  
;; PRIOR FILING DATE: 2001-07-09  
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308.935  
;; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
;; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
;; NUMBER OF SEQ ID NOS: 18  
;; SOFTWARE: PatentIn Ver. 2.1  
;; SEQ ID NO 1  
;; LENGTH: 37  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-1

Query Match 100.0%; Score 76; DB 3; Length 37;  
Best Local Similarity 100.0%; Pred. No. 3.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVTMMNTIS 16  
Db 6 RYDALNVTMMNTIS 21

## RESULT 6

US-10-214-188-10  
;; Sequence 10, Application US/10214188  
;; Publication No. US2003002260A1  
;; GENERAL INFORMATION:  
;; APPLICANT: LA THANGUE, NICHOLAS B.  
;; BERNARDS, RENE  
;; HUMANS, ELEANOR M.  
;; TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5  
;; NUMBER OF SEQUENCES: 25  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: NIXON & VANDERHAYE P.C.

STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/214.188  
FILING DATE: 08-Aug-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/694.139  
FILING DATE: 13-AUG-1997  
ATTORNEY/AGENT INFORMATION:

NAME: WILSON, MARY J.  
REGISTRATION NUMBER: 32.955  
REFERENCE/DOCKET NUMBER: 620-22  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 74 amino acids

TYPE: amino acid

STRANDEDNESS: <Unknown>

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 10:

US-10-214-188-10

Query Match 100.0%; Score 76; DB 4; Length 74;  
Best Local Similarity 100.0%; Pred. No. 8e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVTMMNTIS 16  
Db 48 RYDALNVTMMNTIS 63

## RESULT 7

US-10-450-763-35869  
;; Sequence 35869, Application US/10450763  
;; Publication No. US20050196754A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Hyseq, Inc  
;; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
;; FILE REFERENCE: 790CIP3/US  
;; CURRENT APPLICATION NUMBER: US/10/450.763  
;; CURRENT FILING DATE: 2003-06-11  
;; PRIOR APPLICATION NUMBER: PCT/US01/08631  
;; PRIOR FILING DATE: 2001-03-30  
;; PRIOR APPLICATION NUMBER: 09/540.217  
;; PRIOR FILING DATE: 2000-03-31  
;; PRIOR APPLICATION NUMBER: 09/649.167  
;; PRIOR FILING DATE: 2000-08-23  
;; NUMBER OF SEQ ID NOS: 60736  
;; SOFTWARE: Custom  
;; SEQ ID NO 35869  
;; LENGTH: 149  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-450-763-35869

Query Match 100.0%; Score 76; DB 5; Length 149;  
Best Local Similarity 100.0%; Pred. No. 1.8e-05;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVTMMNTIS 16  
Db 13 RYDALNVTMMNTIS 28

Db 27 RYDALTVMAMNII 42

RESULT 8

US-10-106-698-4846

Sequence 4846, Application US/10106698

Publication No. US20030109690A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide

FILE REFERENCE: PA005P1

CURRENT APPLICATION NUMBER: US/10/106,698

PRIOR FILING DATE: 2002-03-27

PRIOR APPLICATION NUMBER: PCT/US00/26524

PRIOR FILING DATE: 2000-09-28

PRIOR APPLICATION NUMBER: US 60/157,137

PRIOR FILING DATE: 1999-09-29

PRIOR APPLICATION NUMBER: US 60/163,280

PRIOR FILING DATE: 1999-11-03

NUMBER OF SEQ ID NOS: 8564

SOFTWARE: PatentIn Ver. 3.0

SEQ ID NO 4846

LENGTH: 355

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (342)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: MISC FEATURE

LOCATION: (348)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: MISC FEATURE

LOCATION: (351)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: MISC FEATURE

LOCATION: (352)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-10-106-698-4846

Query Match 100.0%; Score 76; DB 4; Length 355;

Best Local Similarity 100.0%; Pred. No. 4.9e-05;

Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALTVMAMNII 16

Db 174 RYDALTVMAMNII 189

RESULT 9

US-10-450-763-58416

Sequence 58416, Application US/10450763

Publication No. US20050196754A1

GENERAL INFORMATION:

APPLICANT: Hyseq, Inc

TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

FILE REFERENCE: 790CIP3/US

CURRENT APPLICATION NUMBER: US/10/450,763

PRIOR FILING DATE: 2003-06-11

PRIOR APPLICATION NUMBER: PCT/US01/08631

PRIOR FILING DATE: 2001-03-30

PRIOR APPLICATION NUMBER: 09/540,217

PRIOR FILING DATE: 2000-03-31

PRIOR APPLICATION NUMBER: 09/649,167

PRIOR FILING DATE: 2000-08-23

NUMBER OF SEQ ID NOS: 60736

SOFTWARE: Custom

SEQ ID NO 58416

LENGTH: 424

TYPE: PRT

ORGANISM: Homo sapiens

US-10-450-763-58416

Query Match 100.0%; Score 76; DB 5; Length 424;

Best Local Similarity 100.0%; Pred. No. 6.1e-05;

Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALTVMAMNII 16

Db 161 RYDALTVMAMNII 176

RESULT 10

US-10-752-505-3

Sequence 3, Application US/10752505

Publication No. US20050137138A1

GENERAL INFORMATION:

APPLICANT: Shubata, Kenji

APPLICANT: Yamaseaki, Motoo

APPLICANT: Yoshida, Tetsuo

APPLICANT: Mizukami, Tamio

TITLE OF INVENTION: E2F Activity-Inhibiting Compound

FILE REFERENCE: 766.29

CURRENT APPLICATION NUMBER: US/10/752,505

PRIOR FILING DATE: 2004-01-08

PRIOR APPLICATION NUMBER: US/09/269,576

PRIOR FILING DATE: 1999-03-30

PRIOR APPLICATION NUMBER: PCT/JP97/03442

PRIOR FILING DATE: 1997-09-26

PRIOR APPLICATION NUMBER: JP 259432/1996

PRIOR FILING DATE: 1996-09-30

NUMBER OF SEQ ID NOS: 27

SOFTWARE: WordPerfect 8

SEQ ID NO 3

LENGTH: 28

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Synthetic

FEATURE:

NAME/KEY: Modified-site

LOCATION: 1

OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine

NAME/KEY: Modified-site

LOCATION: 28

OTHER INFORMATION: Xaa at position 28 representing L-serinamide

US-10-752-505-3

Query Match 94.7%; Score 72; DB 5; Length 28;

Best Local Similarity 100.0%; Pred. No. 1.3e-05;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALTVMAMNII 15

Db 13 RYDALTVMAMNII 27

RESULT 11

US-10-752-505-21

Sequence 21, Application US/10752505

Publication No. US20050137138A1

GENERAL INFORMATION:

APPLICANT: Shubata, Kenji

APPLICANT: Yamaseaki, Motoo

APPLICANT: Yoshida, Tetsuo

APPLICANT: Mizukami, Tamio

TITLE OF INVENTION: E2F Activity-Inhibiting Compound

FILE REFERENCE: 766.29

CURRENT APPLICATION NUMBER: US/10/752,505

PRIOR FILING DATE: 2004-01-08

PRIOR APPLICATION NUMBER: US/09/269,576

PRIOR FILING DATE: 1999-03-30

PRIOR APPLICATION NUMBER: PCT/JP97/03442

PRIOR FILING DATE: 1997-09-26

PRIOR APPLICATION NUMBER: JP 259432/1996

```

; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 21
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Synthetic
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: Xaa at position 1 representing N-lauryl-L-asparagine
US-10-752-505-21

Query Match          94.7%; Score 72; DB 5; Length 28;
Best Local Similarity 100.0%; Pred. No. 1,3e-05;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      1 RVDALNVLMAMNTII 15
        |||
Db       13 RVDALNVLMAMNTII 27

RESULT 12
US-10-053-248-24
; Sequence 24, Application US/10053248
; Publication No. US2003014418BAI
; GENERAL INFORMATION:
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; FILE REFERENCE: P-1S 4814
; CURRENT APPLICATION NUMBER: US/10/053,248
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-053-248-24

Query Match          94.7%; Score 72; DB 4; Length 405;
Best Local Similarity 93.8%; Pred. No. 0.00029;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY      1 RVDALNVLMAMNTIS 16
        |
Db       163 RTVDALNVLMAMNTIS 178

RESULT 13
US-10-345-837-24
; Sequence 24, Application US/10345837
; Publication No. US20040137440AI
; GENERAL INFORMATION:
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; FILE REFERENCE: P-1S 5589
; CURRENT APPLICATION NUMBER: US/10/345,837
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 10/053,248
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405

```

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      TYPE: PRT
      ORGANISM: Homo sapiens
US-10-345-837-24

Query Match          94.7%; Score 72; DB 4; Length 405;
Best Local Similarity 93.8%; Pred. No. 0.00029;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNIIS 16
        |||
Db       163 RTYDALNVLMAMNIIS 178

RESULT 14
US-10-856-499-1157
; Sequence 1157, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021C2
; CURRENT FILING DATE: 2004-05-28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1157
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-856-499-1157

Query Match          93.4%; Score 71; DB 5; Length 119;
Best Local Similarity 93.8%; Pred. No. 0.00011;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNIIS 16
        |||
Db       76 RYDALNVLMAMDIIIS 91

RESULT 15
US-10-856-499-1056
; Sequence 1056, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-856-499-1056

Query Match          93.4%; Score 71; DB 5; Length 120;
Best Local Similarity 93.8%; Pred. No. 0.00011;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNIIS 16
        |||
Db       75 RYDALNVLMAMDIIIS 90

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RESULT 16
US-10-424-599-234773
; Sequence 234773, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 234773
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_54029C.1.pep
US-10-424-599-234773

Query Match      93.4%; Score 71; DB 4; Length 165;
Best Local Similarity 93.8%; Pred. No. 0.00016;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RYVDALNVLMAMNIIIS 16
Db      147 RYVDALNVLMAMDIIS 162

RESULT 17
US-10-425-114-71403
; Sequence 71403, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53213)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 71403
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Zea mays subsp. mexicana
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMR0TEOSINTE119B07_FLI.pep
US-10-425-114-71403

Query Match      93.4%; Score 71; DB 4; Length 207;
Best Local Similarity 93.8%; Pred. No. 0.0002;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RYVDALNVLMAMNIIIS 16
Db      11 RYVDALNVLMAMDIIS 26

RESULT 18
US-10-425-114-36974
; Sequence 36974, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53213)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 36974
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3170-045-C12_FLI.pep
US-10-425-114-36974

Query Match      93.4%; Score 71; DB 4; Length 222;
Best Local Similarity 93.8%; Pred. No. 0.00022;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RYVDALNVLMAMNIIIS 16
Db      32 RYVDALNVLMAMDIIS 47

RESULT 19
US-10-425-115-272014
; Sequence 272014, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 272014
; LENGTH: 301
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_179669C.1.pep
US-10-425-115-272014

Query Match      93.4%; Score 71; DB 4; Length 301;
Best Local Similarity 93.8%; Pred. No. 0.00031;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RYVDALNVLMAMNIIIS 16
Db      105 RYVDALNVLMAMDIIS 120

RESULT 20
US-10-424-599-185947
; Sequence 185947, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
```

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; CURRENT APPLICATION NUMBER: US/10/424.599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 185947
; LENGTH: 314
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_13893C.1.pep
US-10-424-599-185947

Query Match          93.4%; Score 71; DB 4; Length 314;
Best Local Similarity 93.8%; Pred. No. 0.00033;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Oy      1 RYDALNVLMAMNTIS 16
        |||||
Db      124 RYDALNVLMAMDIIS 139

RESULT 21
US-10-437-963-166158
; Sequence 166158, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437.963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 166158
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_64895C.1.pep
US-10-437-963-166158

Query Match          93.4%; Score 71; DB 4; Length 318;
Best Local Similarity 93.8%; Pred. No. 0.00033;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Oy      1 RYDALNVLMAMNTIS 16
        |||||
Db      155 RYDALNVLMAMDIIS 170

RESULT 22
US-10-424-599-186648
; Sequence 186648, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424.599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 186648
; LENGTH: 320
```

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; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(320)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_139556C.1.pep
US-10-424-599-186648

Query Match          93.4%; Score 71; DB 4; Length 320;
Best Local Similarity 93.8%; Pred. No. 0.00034;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Oy      1 RYDALNVLMAMNTIS 16
        |||||
Db      126 RYDALNVLMAMDIIS 141

RESULT 23
US-10-739-930-6734
; Sequence 6734, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739.930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 6734
; LENGTH: 385
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: Clone ID: ARATH-23APR03-C801_1.p
US-10-739-930-6734

Query Match          93.4%; Score 71; DB 5; Length 385;
Best Local Similarity 93.8%; Pred. No. 0.00042;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Oy      1 RYDALNVLMAMNTIS 16
        |||||
Db      157 RYDALNVLMAMDIIS 172

RESULT 24
US-11-097-143-9348
; Sequence 9348, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; FILE REFERENCE: DROSOPHILA GENES.
; CURRENT APPLICATION NUMBER: US/11/097.143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
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/ PRIOR APPLICATION NUMBER: 60/184,831
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: 60/191,637
/ PRIOR FILING DATE: 2000-03-23
/ NUMBER OF SEQ ID NOS: 43008
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 9348
/ LENGTH: 445
/ TYPE: PR
/ ORGANISM: DROSOPHILA
US-11-097-143-9348

Query Match          93.4%; Score 71; DB 6; Length 445;
Best Local Similarity 87.5%; Pred. No. 0.00049;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNIIIS 16
Db      218 RYDALNVLMAMNIIIS 233

RESULT 25
US-10-437-963-167076
/ Sequence 167076, Application US/10437963
/ Publication No. US20040123343A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Wu, Wei
/ APPLICANT: Boukharov, Andrey A.
/ APPLICANT: Barbazuk, Brad
/ APPLICANT: Li, Ping
/ TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53221)B
/ CURRENT APPLICATION NUMBER: US/10/437,963
/ CURRENT FILING DATE: 2003-05-14
/ NUMBER OF SEQ ID NOS: 204966
/ SEQ ID NO 167076
/ LENGTH: 263
/ TYPE: PR
/ ORGANISM: Oryza sativa
/ FEATURES:
/ OTHER INFORMATION: Clone ID: PAT_MRT4530_65721C.1.pep
US-10-437-963-167076

Query Match          92.1%; Score 70; DB 4; Length 263;
Best Local Similarity 93.8%; Pred. No. 0.0004;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNIIIS 16
Db      157 RYDALNVLMAMNIIIS 172

RESULT 26
US-10-425-114-46555
/ Sequence 46555, Application US/10425114
/ Publication No. US20040034888A1
/ GENERAL INFORMATION:
/ APPLICANT: Liu, Jingdong
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Screen, Steven E
/ APPLICANT: Tabaska, Jack E
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53313)B
/ CURRENT APPLICATION NUMBER: US/10/425,114
/ CURRENT FILING DATE: 2003-04-28
```

```
/ NUMBER OF SEQ ID NOS: 73128
/ SEQ ID NO 46555
/ LENGTH: 336
/ TYPE: PR
/ ORGANISM: Zea mays
/ FEATURES:
/ OTHER INFORMATION: Clone ID: 700347688_FLI.pep
US-10-425-114-46555

Query Match          92.1%; Score 70; DB 4; Length 336;
Best Local Similarity 93.8%; Pred. No. 0.00054;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNIIIS 16
Db      141 RYDALNVLMAMNIIIS 156

RESULT 27
US-10-425-115-186696
/ Sequence 186696, Application US/10425115
/ Publication No. US20040214272A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants
/ FILE REFERENCE: 38-21(53222)B
/ CURRENT APPLICATION NUMBER: US/10/425,115
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 369326
/ SEQ ID NO 186696
/ LENGTH: 341
/ TYPE: PR
/ ORGANISM: Zea mays
/ FEATURES:
/ OTHER INFORMATION: Clone ID: MRT4577_101857C.1.pep
US-10-425-115-186696

Query Match          92.1%; Score 70; DB 4; Length 341;
Best Local Similarity 93.8%; Pred. No. 0.00054;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNIIIS 16
Db      146 RYDALNVLMAMNIIIS 161

RESULT 28
US-09-220-091-7
/ Sequence 7, Application US/09220091
/ Patent No. US20020064523A1
/ GENERAL INFORMATION:
/ APPLICANT: H. Robert Horvitz
/ APPLICANT: Craig Ceol
/ APPLICANT: Xiaowei Lu
/ TITLE OF INVENTION: A TUMOR SUPPRESSOR PATHWAY IN C. ELEGANS
/ FILE REFERENCE: 01997/202003
/ CURRENT APPLICATION NUMBER: US/09/220,091
/ CURRENT FILING DATE: 1998-12-23
/ EARLIER APPLICATION NUMBER: 60/047,996
/ EARLIER FILING DATE: 1997-05-28
/ EARLIER APPLICATION NUMBER: 09/087,136
/ EARLIER FILING DATE: 1998-05-28
/ NUMBER OF SEQ ID NOS: 19
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 7
/ LENGTH: 575
/ TYPE: PR
/ ORGANISM: Caenorhabditis elegans
US-09-220-091-7
```

Query Match 92.1%; Score 70; DB 3; Length 575;  
Best Local Similarity 87.5%; Pred. No. 0.001;  
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMANNITIS 16  
Db 104 RYDALNVLMANNITIT 119

RESULT 29  
US-09-900-147-15  
; Sequence 15, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 15  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-15

Query Match 89.5%; Score 68; DB 3; Length 19;  
Best Local Similarity 87.5%; Pred. No. 4.3e-05;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RYDALNVLMANNITIS 16  
Db 3 RYDALNVLMANNITIS 18

RESULT 30  
US-09-900-147-16  
; Sequence 16, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 16  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-16

Query Match 89.5%; Score 68; DB 3; Length 19;  
Best Local Similarity 93.8%; Pred. No. 4.3e-05;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RYDALNVLMANNITIS 16  
Db 3 RYDALNVLMANNITIS 18

RESULT 31  
US-09-900-147-6  
; Sequence 6, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-6

Query Match 88.2%; Score 67; DB 3; Length 30;  
Best Local Similarity 100.0%; Pred. No. 0.00011;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 YDALNVLMANNITIS 16  
Db 1 YDALNVLMANNITIS 14

RESULT 32  
US-10-752-505-26  
; Sequence 26, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Yamashita, Kenji  
; APPLICANT: Yamashita, Kenji  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tami  
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; PRIOR FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 26  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; NAME/KEY: Modified-site  
; LOCATION: 1-10 and 26-29  
; OTHER INFORMATION: any one or all of amino acids 1-10 and 26-29 may be present or absent  
; NAME/KEY: Modified-site  
; LOCATION: 1

OTHER INFORMATION: Xaa at position 1 represents Asn, Thr, Ala or Tyr  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 2  
OTHER INFORMATION: Xaa at position 2 represents Glu or Asp  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 3  
OTHER INFORMATION: Xaa at position 3 represents Ser or Asn  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 5  
OTHER INFORMATION: Xaa at position 5 represents Ala or Asn  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 6  
OTHER INFORMATION: Xaa at position 6 represents Tyr or Cys  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 9  
OTHER INFORMATION: Xaa at position 9 represents Lys or Glu  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 25  
OTHER INFORMATION: Xaa at position 25 represents Met or Ile  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 27  
OTHER INFORMATION: Xaa at position 27 represents Ile or Val  
US-10-752-505-26

Query Match 85.5%; Score 65; DB 5; Length 29;  
Best Local Similarity 87.5%; Pred. No. 0.00024;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 14 RYVDALNVLMAMNIIS 29

RESULT 33  
US-09-900-147-11  
Sequence 11, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandara, Lasantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900.147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 11  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-11

Query Match 84.2%; Score 64; DB 3; Length 14;  
Best Local Similarity 100.0%; Pred. No. 0.00015;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNI 13  
Db 2 RYVDALNVLMAMNI 14

RESULT 34  
US-09-900-147-17  
Sequence 17, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandara, Lasantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900.147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 17  
LENGTH: 19  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-17

Query Match 84.2%; Score 64; DB 3; Length 19;  
Best Local Similarity 87.5%; Pred. No. 0.00022;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 3 RYVDALNVLMAMNIIS 18

RESULT 35  
US-10-489-500-4  
Sequence 4, Application US/10489500  
Publication No. US20050059154A1  
GENERAL INFORMATION:  
APPLICANT: Tom Beeckman  
APPLICANT: Lieven De Veylder  
APPLICANT: Dirk Inze  
APPLICANT: Vladimir Mironov  
APPLICANT: Willem Broekeert  
APPLICANT: Willy Dillen  
APPLICANT: Valerie Frankard  
TITLE OF INVENTION: A METHOD TO MODIFY CELL NUMBER, ARCHITECTURE AND YIELD OF PLANTS  
FILE REFERENCE: 1187-34  
CURRENT APPLICATION NUMBER: US/10/489,500  
CURRENT FILING DATE: 2004-03-12  
PRIOR APPLICATION NUMBER: EP 01870198.7  
PRIOR FILING DATE: 2001-09-14  
PRIOR APPLICATION NUMBER: PCT/EP02/10236  
PRIOR FILING DATE: 2002-09-12  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: Patentin version 3.1  
SEQ ID NO 4  
LENGTH: 292  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
US-10-489-500-4

Query Match 80.3%; Score 61; DB 5; Length 292;  
Best Local Similarity 75.0%; Pred. No. 0.018;  
Matches 12; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 108 RYVDALNVLMAMNIIS 123



## RESULT 36

US-10-752-505-23  
; Sequence 23, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yammasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tami  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 23  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-752-505-23

Query Match 76.3%; Score 58; DB 5; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.0019;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 RYDALNVTLMAM 12  
Db 4 RYDALNVTLMAM 15

## RESULT 37

US-10-425-115-188778  
; Sequence 188778, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 188778  
; LENGTH: 250  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(250)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_103754C.1.pep  
US-10-425-115-188778

Query Match 72.4%; Score 55; DB 4; Length 250;  
Best Local Similarity 62.5%; Pred. No. 0.17;  
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Cy 1 RYDALNVTLMAMNIS 16  
Db 111 RYDALNVTLMAMNIS 126

## RESULT 38

US-10-437-963-136371  
; Sequence 136371, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Bouharov, Andrey A.  
; APPLICANT: Barbaux, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 136371  
; LENGTH: 369  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_37957C.1.pep  
US-10-437-963-136371

Query Match 71.1%; Score 54; DB 4; Length 369;  
Best Local Similarity 62.5%; Pred. No. 0.41;  
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Cy 1 RYDALNVTLMAMNIS 16  
Db 223 RYDALNVTLMAMNIS 238

## RESULT 39

US-10-752-505-4  
; Sequence 4, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yammasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tami  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 4  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-isoleucine  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 15  
; OTHER INFORMATION: Xaa at position 15 representing L-methioninamide  
US-10-752-505-4

Query Match 72.4%; Score 55; DB 4; Length 250;  
Best Local Similarity 62.5%; Pred. No. 0.17;  
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Query Match 69.7%; Score 53; DB 5; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.015;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYVDALNVTLMANNIT 11  
Db 4 RYVDALNVTLMMA 14

## RESULT 40

US-10-450-763-35867  
; Sequence 35867, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 35867  
; LENGTH: 185  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-450-763-35867

Query Match 68.4%; Score 52; DB 5; Length 185;  
Best Local Similarity 75.0%; Pred. No. 0.41;  
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 RYVDALNVTLMANNIT 16  
Db 154 RYVDALNVTLMRAVSIIS 169

RESULT 41  
US-10-732-923-3274  
; Sequence 3274, Application US/10732923  
; Publication No. US20050108791A1  
; GENERAL INFORMATION:  
; APPLICANT: Edgerton, Michael D  
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES  
; FILE REFERENCE: 38-15(52796)C  
; CURRENT APPLICATION NUMBER: US/10/732,923  
; CURRENT FILING DATE: 2003-12-10  
; PRIOR APPLICATION NUMBER: 10/310,154  
; PRIOR FILING DATE: 2002-12-04  
; NUMBER OF SEQ ID NOS: 24149  
; SEQ ID NO 3274  
; LENGTH: 323  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
US-10-732-923-3274

Query Match 63.2%; Score 48; DB 5; Length 323;  
Best Local Similarity 60.0%; Pred. No. 4.1;  
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 RYVDALNVTLMANNIT 15  
Db 163 RYDIANVTLSMMNLI 177

RESULT 42  
US-10-310-154-448

; Sequence 448, Application US/10310154  
; Publication No. US20030233670A1  
; GENERAL INFORMATION:  
; APPLICANT: Edgerton, Michael D

; APPLICANT: Chomet, Paul S.  
; APPLICANT: Adams, Thomas H  
; APPLICANT: Ruff, Thomas G.  
; APPLICANT: Agarwal, Ameeta K.  
; APPLICANT: Ahrens, Jeffrey E.  
; APPLICANT: Ball, James A.  
; APPLICANT: Barni, G.  
; APPLICANT: Bell, Brian  
; APPLICANT: Boddupallil, Raghava  
; APPLICANT: Deikman, Jill  
; APPLICANT: Deng, Molian  
; APPLICANT: Dong, Jinzhao  
; APPLICANT: Duff, Stephen M.  
; APPLICANT: Galligan, Meghan M.  
; APPLICANT: Hinchey, Brenda S.  
; APPLICANT: Huang, Shihshieh  
; APPLICANT: Johnson, G. Richard  
; APPLICANT: Jung, Vincent  
; APPLICANT: Kretzmer, Keith A.  
; APPLICANT: Laccetti, Lucille B.  
; APPLICANT: Lai, Chao-Qiang  
; APPLICANT: Lee, Gary  
; APPLICANT: Lin, Jie-Yi  
; APPLICANT: Liu, Jindong  
; APPLICANT: Lu, Bin  
; APPLICANT: Luethy, Michael M.  
; APPLICANT: Lund, Adrian  
; APPLICANT: Madson, Linda L.  
; APPLICANT: Malloy, Kathleen A.  
; APPLICANT: McKel, Christine L.  
; APPLICANT: Miller, Phillip W.  
; APPLICANT: Padmayathi, Manikant  
; APPLICANT: Parnell, Laurence D.  
; APPLICANT: Start, William G.  
; APPLICANT: Tennessee, Dan  
; APPLICANT: Vidya, K.R.  
; APPLICANT: Wang, Haiyun  
; APPLICANT: Xin, Zhanguo  
; APPLICANT: Xu, Nanfei  
; APPLICANT: Yang, Chunzhi  
; APPLICANT: Zeng, Xiaoping  
; APPLICANT: Zhang, Qiang  
; APPLICANT: Zhao, Yajuan  
; APPLICANT: Zhou, Li  
; TITLE OF INVENTION: Gene Sequences and Uses Thereof in Plants  
; FILE REFERENCE: 38-15(52796)B  
; CURRENT APPLICATION NUMBER: US/10/310,154  
; CURRENT FILING DATE: 2002-12-04  
; PRIOR APPLICATION NUMBER: 60/337,358  
; PRIOR FILING DATE: 2001-12-04  
; NUMBER OF SEQ ID NOS: 736  
; SEQ ID NO 448  
; LENGTH: 346  
; TYPE: PRT  
; ORGANISM: Glycine max  
US-10-310-154-448

Query Match 63.2%; Score 48; DB 4; Length 346;  
Best Local Similarity 60.0%; Pred. No. 4.4;  
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 RYVDALNVTLMANNIT 15  
Db 193 RYDIANVTLSMMNLI 207

RESULT 43  
US-10-732-923-3273  
; Sequence 3273, Application US/10732923

```
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; PRIOR FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 3273
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-732-923-3273

Query Match      63.2% Score 48; DB 5; Length 379;
Best Local Similarity 60.0%; Pred. No. 4.9;
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNII 15
Db      219 RLYDIANVLSSMNI 233

RESULT 44
US-10-425-114-40179
; Sequence 40179, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 40179
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 701055086_FLI.pep
US-10-425-114-40179

Query Match      63.2% Score 48; DB 4; Length 381;
Best Local Similarity 60.0%; Pred. No. 4.9;
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNII 15
Db      208 RLYDIANVLSSMNI 222

RESULT 45
US-10-732-923-534
; Sequence 534, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 534
```

```
; LENGTH: 402
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(402)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-732-923-534

Query Match      63.2% Score 48; DB 5; Length 402;
Best Local Similarity 60.0%; Pred. No. 5.2;
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNII 15
Db      219 RLYDIANVLSSMNI 233

RESULT 46
US-10-732-923-3272
; Sequence 3272, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 3272
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-732-923-3272

Query Match      63.2% Score 48; DB 5; Length 403;
Best Local Similarity 60.0%; Pred. No. 5.2;
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1 RYDALNVLMAMNII 15
Db      219 RLYDIANVLSSMNI 233

RESULT 47
US-10-437-963-116711
; Sequence 116711, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53321)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 116711
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(261)
; OTHER INFORMATION: unsure at all Xaa locations
```

```
FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_20186C.1.pdp
US-10-437-963-116711

Query Match      61.8%; Score 47; DB 4; Length 261;
Best Local Similarity 60.0%; Pred. No. 4.8;
Matches 9; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 1 RYVDALVLMAMNII 15
Db 212 RLYDIANVLKSMNLI 226

RESULT 48
US-10-732-923-3279
; Sequence 3279, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 3279
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(261)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-732-923-3279

Query Match      61.8%; Score 47; DB 5; Length 261;
Best Local Similarity 60.0%; Pred. No. 4.8;
Matches 9; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 1 RYVDALVLMAMNII 15
Db 212 RLYDIANVLKSMNLI 226

RESULT 49
US-09-900-147-4
; Sequence 4, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandaru, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-4

Query Match      60.5%; Score 46; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.36;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 7 NVLMAMNIIIS 16
Db 1 NVLMAMNIIIS 10

RESULT 50
US-09-864-761-45697
; Sequence 45697, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecm1ca-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: AnnuMax Sequence Listing Engine vers. 1.1
; SEQ ID NO 45697
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC021804.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.89
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.99
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.9
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.92
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.88
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.75
; OTHER INFORMATION: EST HUMAN HIT: BB880658.1, EVALU8 2.00e-51
; OTHER INFORMATION: SWISSPROT HIT: Q61501, EVALU8 5.00e-06
US-09-864-761-45697
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Query Match	60.5%	Score 46	DB 3	Length 96
Best Local Similarity	43.8%	Pred. No. 2.2		
Matches	7	Conservative	7	Mismatches 2
				Indels 0
				Gaps 0
Qy	1	RVDALVTMMNTIS	16	
		:    :		
Db	5	RVDIVNVLSLTIIVS	20	

Search completed: March 17, 2006, 21:19:05  
Job time : 115 secs

**This Page Blank (uspto)**

GenCore version 5.1.7  
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OM protein - protein search, using CW model

Run on: March 17, 2006, 20:47:42 ; Search time 8.04598 Seconds  
(without alignments)  
71.148 Million cell updates/sec

Title: US-09-900-147-4

Perfect score: 101

Sequence: 1 NVLMMNTISKEKKEIKWIG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 169630 seqs, 28622889 residues

Total number of hits satisfying chosen parameters: 169630

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications\_AA\_New:\*

1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB pep:\*

2: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB pep:\*

3: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB pep:\*

4: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB pep:\*

5: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB pep:\*

6: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB pep:\*

7: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB pep:\*

8: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	82	81.2	318	7	US-11-060-029-21
2	82	81.2	344	7	US-11-060-029-15
3	82	81.2	346	7	US-11-060-029-19
4	82	81.2	385	7	US-11-060-029-13
5	82	81.2	386	7	US-11-060-029-13
6	82	81.2	413	7	US-11-060-029-4
7	81	80.2	379	7	US-11-060-029-17
8	79	78.2	353	7	US-11-060-029-23
9	50	49.5	384	7	US-11-096-568A-2816
10	50	49.5	384	7	US-11-096-568A-2817
11	50	49.5	385	7	US-11-096-568A-2815
12	45.5	45.0	281	6	US-10-967-648A-12
13	44.5	44.1	85	6	US-10-863-093-5
14	44.5	44.1	121	6	US-10-967-648A-16
15	44.5	44.1	437	6	US-11-096-568A-20252
16	44	43.6	207	7	US-11-096-568A-20251
17	44	43.6	278	7	US-11-096-568A-20251
18	44	43.6	287	7	US-11-096-568A-20250
19	44	43.6	425	7	US-11-096-568A-18168
20	44	43.6	444	7	US-11-096-568A-18167
21	44	43.6	515	7	US-11-096-568A-18166
22	43.5	43.1	437	6	US-10-967-648A-4
23	43	42.6	324	6	US-10-995-561-765
24	43	42.6	324	7	US-11-124-367A-426
25	43	42.6	556	6	US-10-995-561-766

26	43	42.6	556	6	US-10-995-561-767	Sequence 767, App
27	43	42.6	556	7	US-11-124-367A-427	Sequence 427, App
28	43	42.6	556	7	US-11-124-367A-428	Sequence 428, App
29	42.5	42.1	392	7	US-11-087-099-12003	Sequence 12003, A
30	42.5	42.1	394	7	US-11-087-099-11887	Sequence 11887, A
31	42.5	42.1	465	6	US-10-967-648A-6	Sequence 6, Appli
32	42	41.6	179	7	US-11-096-568A-28805	Sequence 28805, A
33	42	41.6	212	7	US-11-096-568A-28804	Sequence 28804, A
34	42	41.6	230	7	US-11-096-568A-28803	Sequence 28803, A
35	42	41.6	347	7	US-11-098-686-10743	Sequence 10743, A
36	41.5	41.1	446	7	US-11-087-099-11887	Sequence 11887, A
37	41	40.6	81	7	US-11-096-568A-5469	Sequence 5469, App
38	41	40.6	89	7	US-11-096-568A-5467	Sequence 5467, App
39	41	40.6	364	7	US-11-072-512-3622	Sequence 3622, App
40	41	40.6	575	7	US-11-072-512-3622	Sequence 3622, App
41	40	39.6	384	7	US-11-108-185-4	Sequence 2, Appli
42	40	39.6	384	7	US-11-108-185-4	Sequence 4, Appli
43	40	39.6	384	7	US-11-108-185-6	Sequence 6, Appli
44	40	39.6	384	7	US-11-108-185-8	Sequence 8, Appli
45	40	39.6	384	7	US-11-108-185-10	Sequence 10, Appli

## ALIGNMENTS

RESULT 1

US-11-060-029-21

Sequence 21, Application US/11060029

Publication No. US20050268358A1

GENERAL INFORMATION:

APPLICANT: Cropdesign N.V.

TITLE OF INVENTION: Plants having improved growth characteristics and a method for

TITLE OF INVENTION: making the same

FILE REFERENCE: CD-113-prio

CURRENT APPLICATION NUMBER: US/11/060,029

CURRENT FILING DATE: 2005-02-17

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn version 3.2

SEQ ID NO 21

LENGTH: 318

TYPE: PRT

ORGANISM: Oryza sativa

US-11-060-029-21

Query Match 81.2%; Score 82; DB 7; Length 318;

Best Local Similarity 80.0%; Pred. No. 2e-05;

Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMMNTISKEKKEIKWIG 20

Db 161 NVLMMNTISKEKKEIKWIG 180

RESULT 2

US-11-060-029-15

Sequence 15, Application US/11060029

Publication No. US20050268358A1

GENERAL INFORMATION:

APPLICANT: Cropdesign N.V.

TITLE OF INVENTION: Plants having improved growth characteristics and a method for

TITLE OF INVENTION: making the same

FILE REFERENCE: CD-113-prio

CURRENT APPLICATION NUMBER: US/11/060,029

CURRENT FILING DATE: 2005-02-17

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn version 3.2

SEQ ID NO 15

LENGTH: 344

TYPE: PRT

ORGANISM: Oryza sativa

FEATURE:

NAME/KEY: misc\_feature

LOCATION: (193)..(193)

OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
US-11-060-029-15

Query Match 81.2%; Score 82; DB 7; Length 344;  
Best Local Similarity 80.0%; Pred. No. 2.2e-05;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NYLMMNNISKEKEIKWIG 20  
DB 159 NYLMMNDIISKDKKEIQWKG 178

## RESULT 3

US-11-060-029-19  
Sequence 19, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 19  
LENGTH: 346  
TYPE: PRT  
ORGANISM: Oryza sativa  
US-11-060-029-19

Query Match 81.2%; Score 82; DB 7; Length 346;  
Best Local Similarity 80.0%; Pred. No. 2.2e-05;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NYLMMNNISKEKEIKWIG 20  
DB 161 NYLMMNDIISKDKKEIQWKG 180

## RESULT 4

US-11-060-029-2  
Sequence 2, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 2  
LENGTH: 385  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
US-11-060-029-2

Query Match 81.2%; Score 82; DB 7; Length 385;  
Best Local Similarity 80.0%; Pred. No. 2.5e-05;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NYLMMNNISKEKEIKWIG 20  
DB 163 NYLMMNDIISKDKKEIQWKG 182

## RESULT 5

US-11-060-029-13  
Sequence 13, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:

APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 13  
LENGTH: 386  
TYPE: PRT  
ORGANISM: Zea mays

NAME/KEY: misc\_feature  
LOCATION: (40)..(40)  
OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (102)..(102)  
OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
US-11-060-029-13

Query Match 81.2%; Score 82; DB 7; Length 386;  
Best Local Similarity 80.0%; Pred. No. 2.5e-05;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NYLMMNNISKEKEIKWIG 20  
DB 196 NYLMMNDIISKDKKEIQWKG 215

## RESULT 6

US-11-060-029-4  
Sequence 4, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 4  
LENGTH: 413  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
US-11-060-029-4

Query Match 81.2%; Score 82; DB 7; Length 413;  
Best Local Similarity 80.0%; Pred. No. 2.7e-05;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NYLMMNNISKEKEIKWIG 20  
DB 180 NYLMMNDIISKDKKEIQWKG 199

## RESULT 7

US-11-060-029-17  
Sequence 17, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: CropDesign N.V.  
TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 17



LENGTH: 379  
TYPE: PRT  
ORGANISM: Oryza sativa  
US-11-060-029-17

Query Match  
Best Local Similarity 80.2%; Score 81; DB 7; Length 379;  
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 NVLMAMNIIKKEKEIKWIG 20  
DB 169 NVLMAMEIISKKEIKQWKG 208

RESULT 8  
US-11-060-029-23  
Sequence 23, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:  
APPLICANT: Cropdesign N.V.  
TITLE OF INVENTION: plants having improved growth characteristics and a method for  
FILE REFERENCE: CD-113-prio  
CURRENT APPLICATION NUMBER: US/11/060,029  
CURRENT FILING DATE: 2005-02-17  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 23  
LENGTH: 353  
TYPE: PRT  
ORGANISM: Populus tremula x Populus tremuloides  
US-11-060-029-23

Query Match  
Best Local Similarity 78.2%; Score 79; DB 7; Length 353;  
Matches 15; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMAMNIIKKEKEIKWIG 20  
DB 163 NVLMALDIISKKEIKQWKG 182

RESULT 9  
US-11-096-568A-2816  
Sequence 2816, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2816  
LENGTH: 384  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)-(384)  
OTHER INFORMATION: Ceres Seq. ID no. 12610325  
US-11-096-568A-2816

Query Match  
Best Local Similarity 49.5%; Score 50; DB 7; Length 384;  
Matches 11; Conservative 3; Mismatches 6; Indels 6; Gaps 1;

QY 1 NVLMAMNIIK-----EKKEIKWIG 20  
DB 213 NVLSSMNLIEKTHLDSRRPAPKWLIG 238

RESULT 10  
US-11-096-568A-2817  
Sequence 2817, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2817  
LENGTH: 384  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)-(384)  
OTHER INFORMATION: Ceres Seq. ID no. 16625362  
US-11-096-568A-2817

Query Match  
Best Local Similarity 49.5%; Score 50; DB 7; Length 384;  
Matches 11; Conservative 3; Mismatches 6; Indels 6; Gaps 1;

QY 1 NVLMAMNIIK-----EKKEIKWIG 20  
DB 213 NVLSSMNLIEKTHLDSRRPAPKWLIG 238

RESULT 11  
US-11-096-568A-2815  
Sequence 2815, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2815  
LENGTH: 385  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)-(385)  
OTHER INFORMATION: Ceres Seq. ID no. 12610324  
US-11-096-568A-2815

Query Match  
Best Local Similarity 49.5%; Score 50; DB 7; Length 385;  
Matches 11; Conservative 3; Mismatches 6; Indels 6; Gaps 1;

QY 1 NVLMAMNIIK-----EKKEIKWIG 20  
DB 214 NVLSSMNLIEKTHLDSRRPAPKWLIG 239

RESULT 12  
US-10-967-648A-12  
Sequence 12, Application US/10967648A  
Publication No. US20050245473A1  
GENERAL INFORMATION:  
APPLICANT: Saunders, Nicholas A  
TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
FILE REFERENCE: 12493972  
CURRENT APPLICATION NUMBER: US/10/967,648A  
CURRENT FILING DATE: 2004-10-15

;; PRIOR APPLICATION NUMBER: USSN 60/512010  
;; PRIOR FILING DATE: 2003-10-16  
;; NUMBER OF SEQ ID NOS: 16  
;; SOFTWARE: PatentIn version 3.3  
;; SEQ ID NO 12  
;; LENGTH: 281  
;; TYPE: PRT  
;; ORGANISM: Human  
US-10-967-648A-12

Query Match 45.0%; Score 45.5; DB 6; Length 281;  
Best Local Similarity 42.9%; Pred. No. 8.3;  
Matches 9; Conservative 6; Mismatches 5; Indels 1; Gaps 1;

QY 1 NVTMMNIIISKE-KKEIKWIG 20  
Db 108 NVLEGIQIIAKSKNHIQWLG 128

RESULT 13  
US-10-863-093-5  
; Sequence 5, Application US/10863093  
; Publication No. US20050269081A1  
; GENERAL INFORMATION:  
; APPLICANT: Andrews, William H.  
; APPLICANT: Foster, Christopher A.  
; APPLICANT: Frazer, Stephanie  
; APPLICANT: Mohammadpour, Hamid  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING  
; TITLE OF INVENTION: TELOMERASE REVERSE TRANSCRIPTASE (TERT) EXPRESSION  
; FILE REFERENCE: SIER-005  
; CURRENT APPLICATION NUMBER: US/10/863,093  
; CURRENT FILING DATE: 2004-06-08  
; PRIOR APPLICATION NUMBER: US/09/932,581  
; PRIOR FILING DATE: 2001-08-17  
; PRIOR APPLICATION NUMBER: 60/227,865  
; PRIOR FILING DATE: 2000-08-24  
; PRIOR APPLICATION NUMBER: 60/230,174  
; PRIOR FILING DATE: 2000-09-01  
; PRIOR APPLICATION NUMBER: 60/238,345  
; PRIOR FILING DATE: 2000-10-05  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 85  
; TYPE: PRT  
; ORGANISM: human  
US-10-863-093-5

Query Match 44.1%; Score 44.5; DB 6; Length 85;  
Best Local Similarity 42.9%; Pred. No. 3.3;  
Matches 9; Conservative 6; Mismatches 5; Indels 1; Gaps 1;

QY 1 NVTMMNIIISKE-KKEIKWIG 20  
Db 63 NVLEGIQIIAKSKNHIQWLG 83

RESULT 14  
US-10-967-648A-16  
; Sequence 16, Application US/10967648A  
; Publication No. US20050245473A1  
; GENERAL INFORMATION:  
; APPLICANT: Saunders, Nicholas A  
; APPLICANT: thetrefor  
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
; FILE REFERENCE: 12493972  
; CURRENT APPLICATION NUMBER: US/10/967,648A  
; CURRENT FILING DATE: 2004-10-15  
; PRIOR APPLICATION NUMBER: USSN 60/512010  
; PRIOR FILING DATE: 2003-10-16  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn version 3.3

;; SEQ ID NO 16  
;; LENGTH: 121  
;; TYPE: PRT  
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US-10-967-648A-16

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; Sequence 2, Application US/10967648A  
; Publication No. US20050245473A1  
; GENERAL INFORMATION:  
; APPLICANT: Saunders, Nicholas A  
; APPLICANT: thetrefor  
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
; FILE REFERENCE: 12493972  
; CURRENT APPLICATION NUMBER: US/10/967,648A  
; CURRENT FILING DATE: 2004-10-15  
; PRIOR APPLICATION NUMBER: USSN 60/512010  
; PRIOR FILING DATE: 2003-10-16  
; NUMBER OF SEQ ID NOS: 16  
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US-10-967-648A-2

Query Match 44.1%; Score 44.5; DB 6; Length 437;  
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Db 172 NVLEGIQIIAKSKNHIQWLG 192

Search completed: March 17, 2006, 20:52:51  
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OM protein - protein search, using SW model

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Searched: 572060 seqs, 82675679 residues

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Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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5	76	100.0	28	2	US-09-269-576G-22
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7	76	100.0	37	2	US-09-308-935-1
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9	76	100.0	72	2	US-09-078-596-11
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249	34	44.7	547	2	US-08-506-236B-72	Sequence 72, Appl	322	33	43.4	366	2	US-08-545-573A-1	Sequence 1, Appl
250	34	44.7	559	2	US-08-506-236B-66	Sequence 66, Appl	323	33	43.4	375	1	US-08-121-714-5	Sequence 5, Appl
251	34	44.7	564	1	US-08-216-894-2	Sequence 2, Appl	324	33	43.4	375	1	US-08-477-108A-5	Sequence 5, Appl
252	34	44.7	564	1	US-09-115-746-2	Sequence 2, Appl	325	33	43.4	375	1	US-08-477-112-5	Sequence 5, Appl
253	34	44.7	579	1	US-08-864-224-11	Sequence 11, Appl	326	33	43.4	375	1	PCT-US93-08322-5	Sequence 5, Appl
254	34	44.7	579	1	US-09-122-384-11	Sequence 11, Appl	327	33	43.4	386	2	US-08-545-573A-2	Sequence 2, Appl
255	34	44.7	600	2	US-09-327-984A-6	Sequence 6, Appl	328	33	43.4	386	2	US-08-545-573A-39	Sequence 39, Appl
256	34	44.7	616	2	US-08-895-707-2	Sequence 2, Appl	329	33	43.4	409	2	US-09-613-303-55	Sequence 55, Appl
257	34	44.7	632	2	US-08-506-236B-74	Sequence 74, Appl	330	33	43.4	409	2	US-10-267-311-55	Sequence 55, Appl
258	34	44.7	633	1	US-08-506-236B-71	Sequence 71, Appl	331	33	43.4	419	2	US-08-640-906-2	Sequence 2, Appl
259	34	44.7	643	1	US-08-216-894-8	Sequence 8, Appl	332	33	43.4	419	2	US-08-640-906-17	Sequence 17, Appl
260	34	44.7	643	1	US-09-115-746-8	Sequence 8, Appl	333	33	43.4	419	2	US-09-395-936-2	Sequence 2, Appl
261	34	44.7	644	2	US-08-506-236B-65	Sequence 65, Appl	334	33	43.4	419	2	US-09-395-936-17	Sequence 17, Appl
262	34	44.7	647	1	US-08-305-764C-56	Sequence 56, Appl	335	33	43.4	459	2	US-09-248-796A-14438	Sequence 14438, A
263	34	44.7	665	2	US-08-506-236B-68	Sequence 68, Appl	336	33	43.4	465	2	US-09-538-032-877	Sequence 877, App
264	34	44.7	685	2	US-09-489-039A-12991	Sequence 12991, A	337	33	43.4	466	2	US-09-610-401-3	Sequence 3, Appl
265	34	44.7	692	2	US-09-352-159-19	Sequence 19, Appl	338	33	43.4	466	2	US-09-610-401-4	Sequence 4, Appl
266	34	44.7	692	2	US-09-352-168-19	Sequence 19, Appl	339	33	43.4	466	2	US-09-167-206-12	Sequence 12, Appl
267	34	44.7	692	2	US-09-771-045B-19	Sequence 19, Appl	340	33	43.4	466	2	US-09-949-016-6351	Sequence 6351, Ap
268	34	44.7	692	2	US-09-770-564A-19	Sequence 19, Appl	341	33	43.4	469	2	US-09-543-681A-7533	Sequence 7533, Ap
269	34	44.7	692	2	US-10-318-308-1	Sequence 1, Appl	342	33	43.4	476	2	US-09-248-796A-16327	Sequence 16327, A
270	34	44.7	692	2	US-09-658-835C-19	Sequence 19, Appl	343	33	43.4	497	1	US-08-252-492-2	Sequence 2, Appl
271	34	44.7	709	2	US-09-949-016-6809	Sequence 6809, Ap	344	33	43.4	497	1	US-08-727-126-2	Sequence 2, Appl
272	34	44.7	728	2	US-09-949-016-7213	Sequence 19, Appl	345	33	43.4	497	2	US-08-942-761-2	Sequence 2, Appl
273	34	44.7	729	2	US-09-543-681A-8257	Sequence 8257, Ap	346	33	43.4	504	2	US-09-949-016-7935	Sequence 7935, Ap
274	34	44.7	784	2	US-09-004-838-12	Sequence 12, Appl	347	33	43.4	506	2	US-09-949-016-7650	Sequence 7650, Ap
275	34	44.7	784	2	US-09-583-110-5192	Sequence 5192, Ap	348	33	43.4	507	2	US-09-538-092-95	Sequence 95, Appl
276	34	44.7	784	2	US-09-769-787-36	Sequence 36, Appl	349	33	43.4	509	2	US-09-538-092-573	Sequence 573, App
277	34	44.7	787	2	US-09-107-433-4612	Sequence 4612, Ap	350	33	43.4	510	2	US-09-893-737-84	Sequence 84, Appl
278	34	44.7	828	2	US-09-327-984A-2	Sequence 2, Appl	351	33	43.4	572	2	US-09-134-000C-4595	Sequence 4595, Ap
279	34	44.7	829	2	US-09-352-159-33	Sequence 33, Appl	352	33	43.4	705	2	US-09-547-789-5	Sequence 5, Appl
280	34	44.7	829	2	US-09-352-168-33	Sequence 33, Appl	353	33	43.4	757	2	US-09-725-735A-20	Sequence 20, Appl
281	34	44.7	829	2	US-09-770-564A-33	Sequence 33, Appl	354	33	43.4	800	2	US-09-107-532A-4095	Sequence 4095, Ap
282	34	44.7	883	2	US-09-489-039A-13542	Sequence 13542, A	355	33	43.4	869	2	US-09-489-039A-11429	Sequence 11429, A
283	34	44.7	1124	2	US-08-311-731A-10	Sequence 10, Appl	356	33	43.4	915	2	US-09-538-092-863	Sequence 863, App
284	34	44.7	1140	2	US-09-950-634-4	Sequence 4, Appl	357	33	43.4	916	2	US-09-949-016-6611	Sequence 6611, App
285	34	44.7	1140	2	US-09-352-159-31	Sequence 31, Appl	358	33	43.4	916	2	US-09-949-016-11417	Sequence 11417, A
286	34	44.7	1196	2	US-09-352-168-31	Sequence 31, Appl	359	33	43.4	948	2	US-09-613-303-21	Sequence 21, Appl
287	34	44.7	1196	2	US-09-352-168-31	Sequence 31, Appl	360	33	43.4	948	2	US-10-267-311-11	Sequence 21, Appl
288	34	44.7	1196	2	US-09-771-045B-31	Sequence 31, Appl	361	33	43.4	1020	2	US-09-538-092-911	Sequence 911, App
289	34	44.7	1196	2	US-09-770-564A-31	Sequence 31, Appl	362	33	43.4	1210	2	US-09-949-016-7176	Sequence 7176, Ap
290	34	44.7	1196	2	US-09-658-835C-31	Sequence 31, Appl	363	33	43.4	1210	2	US-09-949-016-7177	Sequence 7177, Ap
291	34	44.7	1205	2	US-09-352-159-29	Sequence 29, Appl	364	33	43.4	1226	2	US-09-248-796A-19043	Sequence 19043, A
292	34	44.7	1205	2	US-09-352-168-29	Sequence 29, Appl	365	33	43.4	1287	2	US-08-462-467B-2	Sequence 2, Appl
293	34	44.7	1205	2	US-09-771-045B-29	Sequence 29, Appl	366	33	43.4	1287	2	US-08-462-467B-8	Sequence 8, Appl
294	34	44.7	1205	2	US-09-770-564A-29	Sequence 29, Appl	367	33	43.4	137	2	US-09-152-060-97	Sequence 97, Appl
295	34	44.7	1205	2	US-09-658-835C-29	Sequence 29, Appl	368	33	43.4	137	2	US-09-852-797-97	Sequence 97, Appl
296	34	44.7	1252	2	US-10-012-762-20	Sequence 20, Appl	369	33	43.4	137	2	US-09-853-161-97	Sequence 97, Appl
297	34	44.7	1252	2	US-09-704-036B-20	Sequence 20, Appl	370	33	43.4	137	2	US-10-058-993-87	Sequence 97, Appl
298	34	44.7	1252	2	US-10-651-183-20	Sequence 20, Appl	371	33	43.4	162	2	US-09-152-060-63	Sequence 63, Appl
299	34	44.7	29	2	US-09-269-576G-25	Sequence 25, Appl	372	33	43.4	162	2	US-09-852-797-93	Sequence 63, Appl
300	33	43.4	40	2	US-09-270-767-61001	Sequence 61001, A	373	32.5	42.8	162	2	US-09-853-161-63	Sequence 63, Appl
301	33	43.4	59	2	US-10-044-359-10	Sequence 10, Appl	374	32.5	42.8	162	2	US-10-058-993-33	Sequence 33, Appl
302	33	43.4	106	2	US-09-248-796A-26555	Sequence 26525, A	375	32.5	42.8	701	2	US-09-134-001C-2912	Sequence 2912, Ap
303	33	43.4	123	2	US-09-328-352-7124	Sequence 7124, Ap	376	32.5	42.8	701	2	US-09-419-679-2	Sequence 2, Appl
304	33	43.4	161	2	US-09-248-796A-17503	Sequence 17503, A	377	32	42.1	25	1	US-08-378-761A-30	Sequence 30, Appl
305	33	43.4	188	2	US-09-489-039A-13345	Sequence 13345, A	378	32	42.1	25	1	US-08-485-286-30	Sequence 30, Appl
306	33	43.4	215	2	US-09-270-767-58929	Sequence 58929, A	379	32	42.1	25	6	5248606-16	Patent No. 5248606
307	33	43.4	239	2	US-09-543-681A-6297	Sequence 6297, Ap	380	32	42.1	58	2	US-10-044-359-2	Sequence 2, Appl
308	33	43.4	240	2	US-09-248-796A-15041	Sequence 15041, A	381	32	42.1	59	2	US-09-485-147A-76	Sequence 76, Appl
309	33	43.4	244	2	US-09-328-352-5628	Sequence 5628, Ap	382	32	42.1	61	2	US-09-485-147A-74	Sequence 74, Appl
310	33	43.4	266	2	US-09-710-279-1974	Sequence 1974, Ap	383	32	42.1	61	2	US-09-485-147A-80	Sequence 80, Appl
311	33	43.4	276	1	US-07-857-224B-35	Sequence 35, Appl	384	32	42.1	62	2	US-09-485-147A-78	Sequence 78, Appl
312	33	43.4	277	1	US-09-134-001C-5452	Sequence 5452, Ap	385	32	42.1	63	2	US-09-248-796A-25207	Sequence 25207, A
313	33	43.4	310	2	US-09-248-796A-20563	Sequence 20563, A	386	32	42.1	66	2	US-09-248-796A-14139	Sequence 14139, A
314	33	43.4	333	2	US-09-248-796A-20925	Sequence 20925, A	387	32	42.1	77	2	US-09-540-236-1158	Sequence 3158, Ap
315	33	43.4	340	1	US-08-355-844-1	Sequence 1, Appl	388	32	42.1	77	2	US-09-540-236-1175	Sequence 3175, Ap
316	33	43.4	340	1	US-09-120-051D-46	Sequence 46, Appl	389	32	42.1	97	2	US-09-205-258-812	Sequence 812, App
317	33	43.4	340	4	PCT-US95-16126-1	Sequence 1, Appl	390	32	42.1	97	2	US-10-004-860-812	Sequence 812, App
318	33	43.4	341	2	US-09-490-291-9	Sequence 9, Appl	391	32	42.1	120	2	US-09-205-258-817	Sequence 817, App
319	33	43.4	350	2	US-09-270-767-43557	Sequence 43557, A	392	32	42.1	120	2	US-10-004-860-817	Sequence 817, App

393	32	42.1	145	2	US-09-270-767-36625	Sequence 36625, A	466	32	42.1	730	2	US-09-949-016-11573	Sequence 11573, A
394	32	42.1	145	2	US-09-270-767-51842	Sequence 51842, A	467	32	42.1	890	2	US-09-270-767-42010	Sequence 42010, A
395	32	42.1	152	2	US-09-485-147A-82	Sequence 82, Appl	468	32	42.1	975	6	5229293-2	Patent No. 5229293
396	32	42.1	152	2	US-09-485-147A-84	Sequence 84, Appl	469	32	42.1	1114	2	US-09-975-413A-12	Sequence 12, Appl
397	32	42.1	152	2	US-09-485-147A-86	Sequence 86, Appl	470	32	42.1	1140	2	US-09-220-081-2	Sequence 2, Appl
398	32	42.1	165	2	US-09-107-532A-4582	Sequence 4582, Ap	471	32	42.1	1140	2	US-09-677-575-2	Sequence 2, Appl
399	32	42.1	165	2	US-09-107-532A-4583	Sequence 4583, Ap	472	32	42.1	1140	2	US-10-045-072-2	Sequence 2, Appl
400	32	42.1	176	2	US-09-902-540-16036	Sequence 16036, A	473	32	42.1	1139	2	US-09-284-768A-10	Sequence 10, Appl
401	32	42.1	244	1	US-09-134-000C-63447	Sequence 6347, Ap	474	32	42.1	1399	2	US-08-462-467B-12	Sequence 12, Appl
402	32	42.1	244	1	US-07-869-933-32	Sequence 32, Appl	475	32	42.1	1495	2	US-08-462-467B-14	Sequence 14, Appl
403	32	42.1	244	1	US-08-201-879A-3	Sequence 3, Appl	476	32	42.1	1584	2	US-09-251-645-6	Sequence 6, Appl
404	32	42.1	244	1	US-09-103-663-32	Sequence 32, Appl	477	32	42.1	3200	1	US-08-477-451-8	Sequence 8, Appl
405	32	42.1	244	2	US-09-543-681A-7587	Sequence 7587, Ap	478	32	42.1	3218	1	US-08-764-100-27	Sequence 27, Appl
406	32	42.1	244	2	US-09-949-016-5892	Sequence 5892, Ap	479	31.5	41.4	201	2	US-09-583-110-5297	Sequence 5297, Ap
407	32	42.1	256	2	US-09-949-016-8329	Sequence 8329, Ap	480	31.5	41.4	206	2	US-09-107-433-2696	Sequence 2696, Ap
408	32	42.1	258	2	US-09-328-352-4425	Sequence 4425, Ap	481	31.5	41.4	291	2	US-09-270-767-46539	Sequence 46539, A
409	32	42.1	263	2	US-09-792-024-79	Sequence 79, Appl	482	31.5	41.4	427	1	US-08-896-345-2	Sequence 2, Appl
410	32	42.1	268	2	US-09-134-000C-4101	Sequence 4101, Ap	483	31.5	41.4	427	1	US-09-226-091-2	Sequence 2, Appl
411	32	42.1	274	2	US-09-784-508-2	Sequence 2, Appl	484	31	40.8	7	2	US-09-308-935-7	Sequence 7, Appl
412	32	42.1	283	2	US-09-248-796A-19345	Sequence 19345, A	485	31	40.8	19	2	US-09-962-756-1214	Sequence 1214, Ap
413	32	42.1	295	2	US-09-248-796A-16714	Sequence 16714, A	486	31	40.8	21	2	US-09-962-756-1645	Sequence 1645, Appl
414	32	42.1	310	2	US-09-632-947B-8	Sequence 8, Appl	487	31	40.8	22	2	US-08-604-965E-7	Sequence 7, Appl
415	32	42.1	317	2	US-09-489-039A-8044	Sequence 8044, Ap	488	31	40.8	25	2	US-08-604-965E-1	Sequence 1, Appl
416	32	42.1	373	2	US-09-359-161-3	Sequence 3, Appl	489	31	40.8	37	2	US-09-178-093B-45	Sequence 45, Appl
417	32	42.1	376	2	US-09-328-352-8084	Sequence 8084, Ap	490	31	40.8	40	2	US-08-604-963E-2	Sequence 2, Appl
418	32	42.1	386	2	US-09-543-681A-7572	Sequence 7572, Ap	491	31	40.8	42	6	5258287-4	Patent No. 5258287
419	32	42.1	387	2	US-09-252-991A-22990	Sequence 22990, A	492	31	40.8	43	2	US-09-217-293-8	Sequence 8, Appl
420	32	42.1	387	2	US-09-543-681A-7468	Sequence 7468, Ap	493	31	40.8	46	2	US-08-740-644-7	Sequence 7, Appl
421	32	42.1	390	2	US-09-949-016-8340	Sequence 8340, Ap	494	31	40.8	51	2	US-09-270-767-60788	Sequence 7, Appl
422	32	42.1	398	1	US-08-507-431-2	Sequence 2, Appl	495	31	40.8	51	2	US-09-270-767-60788	Sequence 7, Appl
423	32	42.1	398	1	US-08-902-655A-2	Sequence 2, Appl	496	31	40.8	53	2	US-09-270-767-60788	Sequence 7, Appl
424	32	42.1	398	1	US-09-116-622-2	Sequence 2, Appl	497	31	40.8	54	2	US-09-205-258-455	Sequence 455, Ap
425	32	42.1	398	2	US-09-219-277-2	Sequence 2, Appl	498	31	40.8	54	2	US-10-004-860-455	Sequence 455, Ap
426	32	42.1	398	2	US-09-599-661-2	Sequence 2, Appl	499	31	40.8	60	6	5258287-1	Patent No. 5258287
427	32	42.1	409	2	US-09-248-796A-17922	Sequence 17922, A	500	31	40.8	62	2	US-09-270-767-33224	Sequence 33224, A
428	32	42.1	411	2	US-09-205-258-815	Sequence 815, Ap	501	31	40.8	63	2	US-09-107-532A-5706	Sequence 5706, Ap
429	32	42.1	411	2	US-10-004-860-815	Sequence 815, Ap	502	31	40.8	75	2	US-09-235-451-16	Sequence 16, Appl
430	32	42.1	413	2	US-09-489-039A-7562	Sequence 7562, Ap	503	31	40.8	75	2	US-09-925-451-17	Sequence 17, Appl
431	32	42.1	416	2	US-09-949-016-8237	Sequence 8237, Ap	504	31	40.8	75	2	US-09-978-303-16	Sequence 16, Appl
432	32	42.1	434	2	US-09-198-452A-124	Sequence 124, Ap	505	31	40.8	75	2	US-09-978-303-17	Sequence 17, Appl
433	32	42.1	434	2	US-09-438-185A-108	Sequence 108, Ap	506	31	40.8	82	2	US-09-445-480D-30	Sequence 30, Appl
434	32	42.1	439	2	US-09-160-036-1	Sequence 1, Appl	507	31	40.8	85	2	US-08-604-965B-9	Sequence 9, Appl
435	32	42.1	439	2	US-10-150-068-1	Sequence 1, Appl	508	31	40.8	87	2	US-09-270-767-60924	Sequence 60924, A
436	32	42.1	447	2	US-09-610-104C-2	Sequence 2, Appl	509	31	40.8	92	2	US-09-107-532A-4069	Sequence 4069, Ap
437	32	42.1	447	2	US-09-610-104C-11	Sequence 11, Appl	510	31	40.8	96	2	US-09-270-767-58109	Sequence 58109, A
438	32	42.1	452	2	US-09-543-681A-8120	Sequence 8120, Ap	511	31	40.8	98	2	US-08-887-534A-63	Sequence 63, Appl
439	32	42.1	453	2	US-09-662-254B-14	Sequence 14, Appl	512	31	40.8	98	2	US-09-527-431-63	Sequence 63, Appl
440	32	42.1	455	2	US-09-248-796A-17535	Sequence 17535, A	513	31	40.8	98	2	US-09-446-861-63	Sequence 63, Appl
441	32	42.1	464	2	US-09-160-036-12	Sequence 12, Appl	514	31	40.8	98	2	US-09-248-796A-26409	Sequence 26409, A
442	32	42.1	464	2	US-10-150-068-12	Sequence 12, Appl	515	31	40.8	101	2	US-09-248-796A-27613	Sequence 27613, A
443	32	42.1	469	2	US-09-538-092-948	Sequence 948, Ap	516	31	40.8	106	2	US-09-270-767-58791	Sequence 58791, A
444	32	42.1	481	2	US-09-270-767-42183	Sequence 42183, A	517	31	40.8	116	2	US-09-205-658-243	Sequence 243, Ap
445	32	42.1	486	2	US-09-949-016-11133	Sequence 11133, A	518	31	40.8	119	2	US-09-605-703B-2334	Sequence 2334, Ap
446	32	42.1	498	2	US-09-786-240-1	Sequence 1, Appl	519	31	40.8	131	2	US-09-270-767-37014	Sequence 37014, A
447	32	42.1	506	2	US-09-198-452A-261	Sequence 261, Ap	520	31	40.8	131	2	US-09-270-767-52231	Sequence 52231, A
448	32	42.1	506	2	US-09-438-185A-251	Sequence 251, Ap	521	31	40.8	152	2	US-09-107-532A-4557	Sequence 4557, Ap
449	32	42.1	510	2	US-09-489-039A-12574	Sequence 12574, A	522	31	40.8	154	2	US-09-732-210-103	Sequence 103, Ap
450	32	42.1	515	2	US-09-543-681A-4218	Sequence 4218, A	523	31	40.8	154	2	US-09-732-210-210	Sequence 210, Ap
451	32	42.1	522	2	US-09-995-749A-11	Sequence 11, Appl	524	31	40.8	154	2	US-09-732-210-859	Sequence 859, Ap
452	32	42.1	523	2	US-09-604-957-5	Sequence 5, Appl	525	31	40.8	156	2	US-09-732-210-857	Sequence 857, Ap
453	32	42.1	530	2	US-09-270-767-46567	Sequence 46567, A	526	31	40.8	156	2	US-09-949-016-6010	Sequence 6010, Ap
454	32	42.1	608	2	US-09-489-039A-13503	Sequence 13503, A	527	31	40.8	158	2	US-09-902-540-11525	Sequence 11525, A
455	32	42.1	631	2	US-09-345-468-12	Sequence 12, Appl	528	31	40.8	159	2	US-09-949-016-9864	Sequence 9864, Ap
456	32	42.1	631	2	US-09-414-453A-12	Sequence 12, Appl	529	31	40.8	161	2	US-09-202-161B-2	Sequence 2, Appl
457	32	42.1	631	2	US-09-310-463-20	Sequence 20, Appl	530	31	40.8	163	2	US-09-270-767-45418	Sequence 45418, A
458	32	42.1	631	2	US-08-842-248A-20	Sequence 20, Appl	531	31	40.8	164	2	US-09-270-767-40899	Sequence 40899, A
459	32	42.1	645	2	US-09-252-991A-32779	Sequence 32779, A	532	31	40.8	164	2	US-09-270-767-56115	Sequence 56115, A
460	32	42.1	646	2	US-09-949-016-7344	Sequence 7344, Ap	533	31	40.8	164	2	US-09-710-279-3040	Sequence 3040, Ap
461	32	42.1	648	1	US-08-451-715A-4	Sequence 4, Appl	534	31	40.8	178	2	US-09-489-039A-12795	Sequence 12795, A
462	32	42.1	671	2	US-09-328-352-7868	Sequence 7868, Ap	535	31	40.8	178	2	US-09-270-767-66799	Sequence 66799, A
463	32	42.1	681	2	US-09-270-767-39664	Sequence 39664, A	536	31	40.8	178	2	US-09-270-767-62016	Sequence 62016, A
464	32	42.1	681	2	US-09-270-767-54881	Sequence 54881, A	537	31	40.8	188	2	US-09-328-352-7088	Sequence 7088, Ap
465	32	42.1	714	2	US-09-489-039A-11109	Sequence 11109, A	538	31	40.8	195	2	US-09-949-016-7088	Sequence 7088, Ap

539	31	40.8	223	2	US-09-270-767-43439	Sequence 43439, A	612	31	40.8	380	2	US-09-107-532A-4116	Sequence 4116, Ap
540	31	40.8	226	2	US-09-538-092-635	Sequence 635, App	613	31	40.8	380	2	US-09-487-558B-402	Sequence 402, App
541	31	40.8	229	2	US-09-270-767-44262	Sequence 44262, A	614	31	40.8	400	1	US-08-747-887-2	Sequence 2, Appl
542	31	40.8	232	2	US-09-134-001C-3649	Sequence 3649, App	615	31	40.8	402	2	US-09-543-681A-6953	Sequence 6953, App
543	31	40.8	253	2	US-09-248-796A-15042	Sequence 15042, A	616	31	40.8	431	2	US-09-538-092-107	Sequence 107, App
544	31	40.8	255	2	US-09-543-681A-5713	Sequence 5713, App	617	31	40.8	441	2	US-09-252-991A-16280	Sequence 16280, A
545	31	40.8	256	2	US-09-107-532A-4072	Sequence 4072, A	618	31	40.8	442	2	US-09-540-236-1728	Sequence 3728, Ap
546	31	40.8	256	2	US-09-248-796A-15043	Sequence 15043, A	619	31	40.8	455	2	US-09-902-540-15002	Sequence 15002, A
547	31	40.8	260	1	US-07-857-224B-7	Sequence 7, Appl	620	31	40.8	459	2	US-09-352-990-26	Sequence 26, Appl
548	31	40.8	264	1	US-08-482-271-3	Sequence 3, Appl	621	31	40.8	464	2	US-10-169-048-28	Sequence 28, Appl
549	31	40.8	264	1	US-08-482-271-4	Sequence 4, Appl	622	31	40.8	465	2	US-09-328-352-4543	Sequence 4543, Ap
550	31	40.8	264	1	US-08-854-811-45	Sequence 45, Appl	623	31	40.8	471	2	US-09-134-000C-6228	Sequence 6228, Ap
551	31	40.8	264	2	US-09-080-120A-2	Sequence 2, Appl	624	31	40.8	475	2	US-09-489-039A-13710	Sequence 13710, A
552	31	40.8	264	2	US-09-080-120A-4	Sequence 4, Appl	625	31	40.8	477	2	US-09-336-633A-18	Sequence 18, Appl
553	31	40.8	264	2	US-09-322-484-1	Sequence 1, Appl	626	31	40.8	486	1	US-08-821-355A-8	Sequence 8, Appl
554	31	40.8	264	2	US-09-089-062-1	Sequence 1, Appl	627	31	40.8	486	1	US-09-003-687A-8	Sequence 8, Appl
555	31	40.8	264	2	US-10-215-759-18	Sequence 18, Appl	628	31	40.8	486	2	US-09-136-605-8	Sequence 8, Appl
556	31	40.8	264	2	US-10-215-759-19	Sequence 19, Appl	629	31	40.8	488	2	US-09-562-930-6	Sequence 6, Appl
557	31	40.8	264	2	US-10-264-672-18	Sequence 18, Appl	630	31	40.8	489	2	US-09-991-181-138	Sequence 138, App
558	31	40.8	264	2	US-10-264-672-19	Sequence 19, Appl	631	31	40.8	489	2	US-09-990-444-138	Sequence 138, App
559	31	40.8	264	2	US-10-383-999-18	Sequence 18, Appl	632	31	40.8	489	2	US-09-997-333-138	Sequence 138, App
560	31	40.8	264	2	US-10-383-999-19	Sequence 19, Appl	633	31	40.8	489	2	US-09-992-598-138	Sequence 138, App
561	31	40.8	264	4	PCT-US95-08925-2	Sequence 2, Appl	634	31	40.8	492	2	US-09-710-279-770	Sequence 770, App
562	31	40.8	264	4	PCT-US95-08925-4	Sequence 4, Appl	635	31	40.8	496	2	US-09-328-352-6168	Sequence 6168, Ap
563	31	40.8	265	2	US-09-902-540-11639	Sequence 11639, A	636	31	40.8	497	2	US-09-489-039A-12364	Sequence 4, Appl
564	31	40.8	267	2	US-09-134-000C-6273	Sequence 6273, Ap	637	31	40.8	501	1	US-08-499-215-4	Sequence 15119, A
565	31	40.8	269	2	US-09-538-092-1089	Sequence 1089, Ap	638	31	40.8	501	2	US-09-248-796A-15119	Sequence 17, Appl
566	31	40.8	271	2	US-09-252-991A-3073	Sequence 3073, A	639	31	40.8	509	2	US-08-809-999D-17	Sequence 17, Appl
567	31	40.8	277	2	US-10-104-047-3046	Sequence 3046, Ap	640	31	40.8	509	2	US-09-069-637-17	Sequence 17, Appl
568	31	40.8	290	2	US-09-068-655-9	Sequence 9, Appl	641	31	40.8	509	2	US-09-322-360-17	Sequence 17, Appl
569	31	40.8	291	1	US-08-468-847B-19	Sequence 19, Appl	642	31	40.8	509	2	US-09-131-831B-17	Sequence 9, Appl
570	31	40.8	291	2	US-09-080-120A-7	Sequence 7, Appl	643	31	40.8	511	1	US-08-821-355A-9	Sequence 9, Appl
571	31	40.8	291	2	US-09-702-705-333	Sequence 333, App	644	31	40.8	511	1	US-09-003-687A-9	Sequence 9, Appl
572	31	40.8	291	2	US-09-736-457-333	Sequence 333, App	645	31	40.8	511	2	US-09-136-605-9	Sequence 9, Appl
573	31	40.8	291	2	US-09-614-148-333	Sequence 333, App	646	31	40.8	512	2	US-09-107-532A-6559	Sequence 6559, Ap
574	31	40.8	291	2	US-09-671-325-333	Sequence 333, App	647	31	40.8	519	2	US-08-956-171E-5230	Sequence 5230, Ap
575	31	40.8	291	2	US-09-589-184-333	Sequence 333, App	648	31	40.8	519	2	US-08-781-986A-5230	Sequence 5230, Ap
576	31	40.8	291	2	US-09-658-824-333	Sequence 333, App	649	31	40.8	524	2	US-09-134-001C-3353	Sequence 3353, Ap
577	31	40.8	291	2	US-09-949-016-11416	Sequence 11416, A	650	31	40.8	528	2	US-09-949-016-11233	Sequence 11233, A
578	31	40.8	291	2	US-10-017-754-333	Sequence 333, App	651	31	40.8	529	2	US-09-134-000C-5948	Sequence 5948, Ap
579	31	40.8	291	2	US-09-651-563-333	Sequence 333, App	652	31	40.8	544	2	US-09-198-452A-180	Sequence 180, App
580	31	40.8	291	2	US-09-519-642-333	Sequence 333, App	653	31	40.8	556	2	US-09-438-185A-162	Sequence 162, App
581	31	40.8	291	4	PCT-US95-08925-7	Sequence 7, Appl	654	31	40.8	570	1	US-08-453-848-7	Sequence 7, Appl
582	31	40.8	291	6	5212074-5	Patent No. 5212074	655	31	40.8	570	2	US-09-169-027-7	Sequence 7, Appl
583	31	40.8	292	6	5258287-24	Patent No. 5258287	656	31	40.8	571	1	US-08-453-848-15	Sequence 15, Appl
584	31	40.8	300	2	US-09-540-226-2547	Sequence 2547, App	657	31	40.8	571	1	US-08-453-848-15	Sequence 21, Appl
585	31	40.8	305	2	US-09-270-767-41419	Sequence 41419, A	658	31	40.8	571	2	US-09-169-027-15	Sequence 15, Appl
586	31	40.8	306	2	US-09-712-363-186	Sequence 186, App	659	31	40.8	621	2	US-09-169-027-15	Sequence 21, Appl
587	31	40.8	311	2	US-09-489-039A-11573	Sequence 11573, A	660	31	40.8	621	2	US-09-026-001A-6	Sequence 6, Appl
588	31	40.8	313	2	US-08-956-171E-5197	Sequence 5197, App	661	31	40.8	621	2	US-09-996-630-6	Sequence 6, Appl
589	31	40.8	313	2	US-08-781-986A-5197	Sequence 5197, App	662	31	40.8	625	2	US-09-347-801-18	Sequence 18, Appl
590	31	40.8	319	2	US-09-902-540-10540	Sequence 10540, A	663	31	40.8	625	2	US-09-854-731-18	Sequence 18, Appl
591	31	40.8	321	2	US-09-902-540-12567	Sequence 12567, A	664	31	40.8	631	2	US-09-252-991A-20418	Sequence 20418, A
592	31	40.8	322	2	US-09-359-161-7	Sequence 7, Appl	665	31	40.8	645	2	US-09-328-501-1	Sequence 1, Appl
593	31	40.8	322	2	US-09-538-092-297	Sequence 297, App	666	31	40.8	646	2	US-09-777-710A-1	Sequence 1, Appl
594	31	40.8	328	2	US-09-142-584-2	Sequence 2, Appl	667	31	40.8	646	5	US-10-191-289A-1	Sequence 1, Appl
595	31	40.8	328	2	US-09-142-584-4	Sequence 4, Appl	668	31	40.8	646	5	US-09-538-092-1206	Sequence 1206, App
596	31	40.8	328	2	US-09-142-584-6	Sequence 6, Appl	669	31	40.8	664	2	US-09-949-016-10347	Sequence 10347, A
597	31	40.8	335	2	US-09-543-681A-5733	Sequence 5733, App	670	31	40.8	668	2	US-09-252-991A-22341	Sequence 22341, A
598	31	40.8	335	2	US-09-949-016-8585	Sequence 8585, App	671	31	40.8	670	2	US-09-328-501-15	Sequence 15, Appl
599	31	40.8	338	2	US-09-689-486-63	Sequence 63, Appl	672	31	40.8	670	2	US-09-777-710A-15	Sequence 15, Appl
600	31	40.8	341	2	US-09-198-452A-293	Sequence 293, App	673	31	40.8	670	5	US-10-191-289A-15	Sequence 15, Appl
601	31	40.8	347	2	US-09-217-293-1	Sequence 1, Appl	674	31	40.8	673	2	US-09-711-164-328	Sequence 328, App
602	31	40.8	348	2	US-09-438-185A-282	Sequence 282, App	675	31	40.8	675	2	US-09-489-039A-9181	Sequence 9181, App
603	31	40.8	356	2	US-09-902-540-12715	Sequence 12715, A	676	31	40.8	676	2	US-09-252-991A-29396	Sequence 29396, A
604	31	40.8	357	2	US-09-345-236B-49	Sequence 49, Appl	677	31	40.8	677	2	US-09-252-991A-27035	Sequence 27035, A
605	31	40.8	359	2	US-09-328-352-8005	Sequence 8005, App	678	31	40.8	713	2	US-08-628-434-2	Sequence 2, Appl
606	31	40.8	364	2	US-09-270-767-50726	Sequence 35509, A	679	31	40.8	713	2	US-08-628-434-4	Sequence 4, Appl
607	31	40.8	364	2	US-09-270-767-50726	Sequence 30726, A	680	31	40.8	742	2	US-09-489-039A-7998	Sequence 7998, App
608	31	40.8	365	2	US-09-107-532A-6590	Sequence 6590, App	681	31	40.8	779	1	US-08-190-802A-32	Sequence 32, Appl
609	31	40.8	366	2	US-09-359-268A-27	Sequence 27, Appl	682	31	40.8	779	2	US-08-473-346-32	Sequence 32, Appl
610	31	40.8	369	2	US-09-134-000C-5705	Sequence 5705, App	683	31	40.8	779	2	US-08-473-346-32	Sequence 32, Appl
611	31	40.8	372	2	US-09-489-039A-12516	Sequence 12516, A	684	31	40.8	779	2	US-08-487-072A-32	Sequence 32, Appl

685	31	40.8	779	2	US-09-177-165A-29	Sequence 29, Appl	758	30	39.5	183	2	US-09-122-443-11	Sequence 11, Appl
686	31	40.8	779	2	US-09-538-092-264	Sequence 264, Appl	759	30	39.5	183	2	US-09-558-089-11	Sequence 11, Appl
687	31	40.8	800	2	US-09-297-703C-57	Sequence 57, Appl	760	30	39.5	183	2	US-09-558-087-11	Sequence 11, Appl
688	31	40.8	818	2	US-09-134-000C-5599	Sequence 5599, Ap	761	30	39.5	183	2	US-09-710-379-1320	Sequence 1320, Ap
689	31	40.8	881	2	US-09-489-039A-13851	Sequence 13851, A	762	30	39.5	183	2	US-09-558-474-11	Sequence 11, Appl
690	31	40.8	920	2	US-09-763-620-35	Sequence 35, Appl	763	30	39.5	184	2	US-09-328-352-4893	Sequence 4893, Ap
691	31	40.8	943	1	US-08-808-962-7	Sequence 7, Appl	764	30	39.5	191	2	US-09-232-191-15	Sequence 15, Appl
692	31	40.8	943	1	US-09-306-902A-7	Sequence 7, Appl	765	30	39.5	191	2	US-09-232-200-15	Sequence 15, Appl
693	31	40.8	945	2	US-09-489-039A-8135	Sequence 8135, Ap	766	30	39.5	191	2	US-09-232-197-15	Sequence 15, Appl
694	31	40.8	945	2	US-10-037-417-121	Sequence 121, Ap	767	30	39.5	191	2	US-09-232-201-15	Sequence 15, Appl
695	31	40.8	1109	2	US-09-688-188B-88	Sequence 88, Appl	768	30	39.5	191	2	US-09-232-195-15	Sequence 15, Appl
696	31	40.8	1109	2	US-09-291-417D-88	Sequence 89, Appl	769	30	39.5	192	1	US-08-086-428B-62	Sequence 62, Appl
697	31	40.8	1117	2	US-09-252-991A-23416	Sequence 23416, A	770	30	39.5	192	1	US-08-468-570-62	Sequence 62, Appl
698	31	40.8	1162	2	US-09-252-991A-32764	Sequence 32764, A	771	30	39.5	192	1	US-08-290-665A-62	Sequence 62, Appl
699	31	40.8	1246	2	US-09-252-991A-23140	Sequence 23140, A	772	30	39.5	192	2	US-08-466-601A-62	Sequence 62, Appl
700	31	40.8	1835	2	US-08-836-325-15	Sequence 15, Appl	773	30	39.5	192	4	PCT-US95-1039B-62	Sequence 62, Appl
701	31	40.8	1835	2	US-09-457-571-15	Sequence 15, Appl	774	30	39.5	196	2	US-09-605-703B-1970	Sequence 1970, Ap
702	31	40.8	2285	2	US-09-252-991A-17790	Sequence 17790, A	775	30	39.5	203	2	US-09-248-796A-16670	Sequence 16670, A
703	30.5	40.1	360	2	US-09-543-681A-8056	Sequence 8056, Ap	776	30	39.5	203	2	US-09-328-352-5111	Sequence 5111, Ap
704	30.5	40.1	372	2	US-09-270-767-41464	Sequence 41464, A	777	30	39.5	216	2	US-09-489-039A-7908	Sequence 7908, Ap
705	30.5	40.1	440	2	US-09-583-110-3929	Sequence 3929, Ap	778	30	39.5	216	2	US-09-248-796A-17238	Sequence 17238, A
706	30.5	40.1	443	2	US-09-107-433-4816	Sequence 4816, Ap	779	30	39.5	225	2	US-09-453-195A-6	Sequence 6, Appl
707	30.5	40.1	467	2	US-09-543-681A-6988	Sequence 6988, Ap	780	30	39.5	225	2	US-09-917-974-6	Sequence 6, Appl
708	30.5	40.1	854	2	US-09-619-353-10	Sequence 10, Appl	781	30	39.5	228	2	US-09-270-767-38023	Sequence 38023, A
709	30	39.5	47	2	US-09-902-540-13179	Sequence 13179, A	782	30	39.5	228	2	US-09-270-767-53240	Sequence 53240, A
710	30	39.5	48	1	US-08-469-537A-62	Sequence 62, Appl	783	30	39.5	233	1	US-09-024-848-4	Sequence 4, Appl
711	30	39.5	48	1	US-08-469-537A-69	Sequence 69, Appl	784	30	39.5	233	2	US-09-348-116A-4	Sequence 4, Appl
712	30	39.5	49	2	US-09-205-258-525	Sequence 525, Ap	785	30	39.5	234	2	US-09-540-236-3705	Sequence 3705, Ap
713	30	39.5	49	2	US-10-004-860-525	Sequence 525, Ap	786	30	39.5	235	2	US-09-270-767-48485	Sequence 48485, A
714	30	39.5	56	2	US-10-044-359-8	Sequence 8, Appl	787	30	39.5	249	2	US-08-837-317-3	Sequence 3, Appl
715	30	39.5	59	2	US-09-418-710-38	Sequence 38, Appl	788	30	39.5	249	2	US-09-573-885A-3	Sequence 3, Appl
716	30	39.5	59	2	US-09-418-710-50	Sequence 50, Appl	789	30	39.5	251	1	US-08-469-537A-80	Sequence 80, Appl
717	30	39.5	59	2	US-09-839-479-37	Sequence 37, Appl	790	30	39.5	251	1	US-08-469-537A-81	Sequence 81, Appl
718	30	39.5	59	2	US-09-839-479-49	Sequence 49, Appl	791	30	39.5	254	1	US-09-270-767-37839	Sequence 37839, A
719	30	39.5	65	2	US-09-328-352-7222	Sequence 7222, Ap	792	30	39.5	254	2	US-09-270-767-53056	Sequence 53056, A
720	30	39.5	72	2	US-09-248-796A-25436	Sequence 25436, A	793	30	39.5	255	2	US-09-543-681A-5140	Sequence 5140, Ap
721	30	39.5	76	2	US-09-270-767-52555	Sequence 52555, A	794	30	39.5	257	2	US-09-743-207-6	Sequence 6, Appl
722	30	39.5	76	2	US-09-270-767-50472	Sequence 50472, A	795	30	39.5	268	2	US-09-311-338-17	Sequence 11, Appl
723	30	39.5	90	2	US-08-887-534A-59	Sequence 59, Appl	796	30	39.5	280	2	US-09-270-767-3853	Sequence 3853, A
724	30	39.5	90	2	US-09-527-431-59	Sequence 59, Appl	797	30	39.5	280	2	US-09-270-767-49070	Sequence 49070, A
725	30	39.5	90	2	US-09-446-861-59	Sequence 59, Appl	798	30	39.5	287	2	US-09-107-532A-5182	Sequence 5182, Ap
726	30	39.5	94	2	US-09-248-796A-21488	Sequence 21488, A	799	30	39.5	292	1	US-09-024-848-2	Sequence 2, Appl
727	30	39.5	97	2	US-09-270-767-59874	Sequence 59874, A	800	30	39.5	292	2	US-09-348-116A-2	Sequence 2, Appl
728	30	39.5	99	2	US-09-248-796A-22280	Sequence 22280, A	801	30	39.5	292	2	US-09-583-110-4530	Sequence 4530, Ap
729	30	39.5	106	2	US-09-543-681A-5261	Sequence 5261, Ap	802	30	39.5	295	2	US-09-785-381-5	Sequence 5, Appl
730	30	39.5	109	2	US-09-543-681A-5248	Sequence 5248, Ap	803	30	39.5	298	2	US-09-328-352-6370	Sequence 6370, Ap
731	30	39.5	111	2	US-09-543-681A-5903	Sequence 5903, Ap	804	30	39.5	299	2	US-09-720-318A-4	Sequence 4, Appl
732	30	39.5	114	1	US-09-014-969-4	Sequence 4, Appl	805	30	39.5	300	2	US-09-248-796A-17246	Sequence 17946, A
733	30	39.5	115	2	US-09-107-532A-4792	Sequence 4792, Ap	806	30	39.5	302	2	US-08-303-861-70	Sequence 20, Appl
734	30	39.5	131	2	US-09-489-039A-8436	Sequence 8436, Ap	807	30	39.5	304	2	US-09-107-433-3248	Sequence 3248, Ap
735	30	39.5	139	2	US-09-248-796A-28003	Sequence 28003, A	808	30	39.5	306	2	US-10-007-267A-13	Sequence 13, Appl
736	30	39.5	144	2	US-09-733-210-612	Sequence 612, Ap	809	30	39.5	308	2	US-09-949-016-7693	Sequence 7693, Ap
737	30	39.5	144	2	US-09-711-164-315	Sequence 315, Ap	810	30	39.5	308	2	US-09-489-039A-9453	Sequence 9453, Ap
738	30	39.5	144	2	US-09-492-709A-313	Sequence 313, Ap	811	30	39.5	308	2	US-09-107-433-3470	Sequence 3470, Ap
739	30	39.5	145	2	US-09-489-039A-10963	Sequence 10963, A	812	30	39.5	309	2	US-09-252-991A-7641	Sequence 7641, A
740	30	39.5	147	2	US-09-733-210-654	Sequence 854, Ap	813	30	39.5	309	2	US-09-248-796A-18599	Sequence 18599, A
741	30	39.5	147	2	US-09-107-433-4920	Sequence 4920, Ap	814	30	39.5	312	2	US-09-902-540-11866	Sequence 11866, A
742	30	39.5	149	2	US-09-270-767-33970	Sequence 33970, A	815	30	39.5	314	2	US-09-107-532A-4919	Sequence 4919, Ap
743	30	39.5	149	2	US-09-270-767-9187	Sequence 49187, A	816	30	39.5	315	2	US-09-134-000C-4987	Sequence 4887, Ap
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746	30	39.5	154	2	US-09-733-210-856	Sequence 856, Ap	819	30	39.5	322	2	US-09-134-001C-4889	Sequence 4889, Ap
747	30	39.5	156	2	US-09-205-258-458	Sequence 458, Ap	820	30	39.5	322	2	US-09-583-110-0444	Sequence 4444, Ap
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872	30	39.5	522	2	US-09-303-518D-136	Sequence 136, App	945	30	39.5	1599	1	US-08-617-697-9	Sequence 9, Appli
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879	30	39.5	550	1	US-08-345-212-2	Sequence 2, Appli	952	30	39.5	1901	2	US-09-738-946-12	Sequence 12, Appli
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896	30	39.5	647	2	US-09-613-303-53	Sequence 53, Appli	969	30	39.5	531	2	US-09-471-867-4	Sequence 4, Appli
897	30	39.5	647	2	US-10-267-311-53	Sequence 53, Appli	970	30	39.5	608	2	US-09-949-016-4471	Sequence 6471, Ap
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899	30	39.5	662	2	US-09-252-991A-22861	Sequence 22861, A	972	30	39.5	13	2	US-08-725-459B-11	Sequence 11, Appli
900	30	39.5	702	2	US-09-232-200-102	Sequence 102, App	973	30	39.5	19	2	US-09-962-756-1197	Sequence 1197, Ap
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977 29 38.2 22 2 US-08-725-459B-13 Sequence 13, Appl  
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979 29 38.2 24 2 US-09-227-357-625 Sequence 625, Appl  
980 29 38.2 24 2 US-09-273-278-545 Sequence 545, Appl  
981 29 38.2 29 1 US-08-524-757-16 Sequence 16, Appl  
982 29 38.2 34 1 US-08-118-270-138 Sequence 138, Appl  
983 29 38.2 34 1 US-08-118-270-176 Sequence 176, Appl  
984 29 38.2 34 1 PCT-US93-08528-138 Sequence 138, Appl  
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988 29 38.2 52 2 US-08-725-459B-76 Sequence 76, Appl  
989 29 38.2 56 2 US-08-725-459B-50 Sequence 50, Appl  
990 29 38.2 61 2 US-09-248-796A-23995 Sequence 23995, A  
991 29 38.2 66 2 US-09-205-258-1030 Sequence 1030, Ap  
992 29 38.2 67 1 US-10-004-860-1030 Sequence 1030, Ap  
993 29 38.2 67 1 US-08-530-010-18 Sequence 18, Appl  
994 29 38.2 67 1 US-08-484-101B-18 Sequence 18, Appl  
995 29 38.2 67 2 US-08-714-524D-18 Sequence 18, Appl  
996 29 38.2 84 2 US-08-725-459B-49 Sequence 49, Appl  
997 29 38.2 84 2 US-09-205-258-1032 Sequence 1032, Ap  
998 29 38.2 84 2 US-10-004-860-1032 Sequence 1032, Ap  
999 29 38.2 89 2 US-09-134-001C-3697 Sequence 3697, Ap  
1000 29 38.2 89 2 US-09-270-767-59213 Sequence 59213, A

## ALIGNMENTS

RESULT 1  
US-09-308-935-5  
Sequence 5, Application US/09308935  
Patent No. 6268334  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/308, 935  
CURRENT FILING DATE: 1999-05-27  
EARLIER APPLICATION NUMBER: PCT/GB97/03506  
EARLIER FILING DATE: 1997-12-22  
EARLIER APPLICATION NUMBER: GB 9626589.7  
EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 5  
LENGTH: 16  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-5

Query Match 100.0%; Score 76; DB 2; Length 16;  
Best Local Similarity 100.0%; Pred. No. 1.2e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Cy 1 RYDALNVLMMAMNTIS 16  
Db 1 RYDALNVLMMAMNTIS 16

RESULT 2  
US-08-428-131-13  
Sequence 13, Application US/08428131  
Patent No. 5863757  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESSES:  
ADDRESS: Nixon & Vanderhye

STREET: 1100 No. 5863757th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-428-131-13

Query Match 100.0%; Score 76; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 1.3e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Cy 1 RYDALNVLMMAMNTIS 16  
Db 2 RYDALNVLMMAMNTIS 17

RESULT 3  
US-09-078-596-13  
Sequence 13, Application US/09078596  
Patent No. 6150116  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESSES:  
ADDRESS: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100

;; INFORMATION FOR SEQ ID NO: 13:

;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 17 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
US-09-078-596-13

Query Match 100.0%; Score 76; DB 2; Length 17;  
Best Local Similarity 100.0%; Pred. No. 1,3e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 2 RYVDALNVLMAMNIIS 17

## RESULT 4

US-09-308-935-3  
; Sequence 3, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 3  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-3

Query Match 100.0%; Score 76; DB 2; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1,5e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 3 RYVDALNVLMAMNIIS 18

## RESULT 5

US-09-269-576G-22  
; Sequence 22, Application US/09269576G  
; Patent No. 6713449  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tami  
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/09/269,576G  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: Wordperfect 8  
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;; ORGANISM: Artificial Sequence  
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;; OTHER INFORMATION: Synthetic  
US-09-269-576G-22

Query Match 100.0%; Score 76; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2,4e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 13 RYVDALNVLMAMNIIS 28

## RESULT 6

US-09-269-576G-24  
; Sequence 24, Application US/09269576G  
; Patent No. 6713449  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tami  
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/09/269,576G  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: Wordperfect 8  
; SEQ ID NO 24  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-09-269-576G-24

Query Match 100.0%; Score 76; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2,4e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 13 RYVDALNVLMAMNIIS 28

## RESULT 7

US-09-308-935-1  
; Sequence 1, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-1

Query Match 100.0%; Score 76; DB 2; Length 37;  
Best Local Similarity 100.0%; Pred. No. 3.4e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYVDALNVLMAMNTIS 16  
Db 6 RYVDALNVLMAMNTIS 21

## RESULT 8

US-08-428-131-11  
Sequence 11, Application US/08428131  
Patent No. 5863757  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 5863757th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-428-131-11

Query Match 100.0%; Score 76; DB 1; Length 72;  
Best Local Similarity 100.0%; Pred. No. 7.7e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYVDALNVLMAMNTIS 16  
Db 9 RYVDALNVLMAMNTIS 24

## RESULT 9

US-09-078-596-11  
Sequence 11, Application US/09078596  
Patent No. 6150116  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington

STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-11

Query Match 100.0%; Score 76; DB 2; Length 72;  
Best Local Similarity 100.0%; Pred. No. 7.7e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYVDALNVLMAMNTIS 16  
Db 9 RYVDALNVLMAMNTIS 24

## RESULT 10

US-08-894-139-10  
Sequence 10, Application US/08894139  
Patent No. 6448376  
GENERAL INFORMATION:  
APPLICANT: LA THANGUE, NICHOLAS B.  
APPLICANT: BERNARDS, RENE  
APPLICANT: HUMANS, ELEANORE M.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/894,139  
FILING DATE: 13-AUG-1997  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: WILSON, MARY J.  
REGISTRATION NUMBER: 32,955  
REFERENCE/DOCKET NUMBER: 620-22  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 74 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-894-139-10

Query Match 100.0%; Score 76; DB 2; Length 74;  
Best Local Similarity 100.0%; Pred. NO. 8e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNTIS 16  
|||  
Db 48 RYDALNVLMAMNTIS 63

RESULT 11  
US-09-949-016-9220  
Sequence 9220, Application US/09949016  
Patent No. 6812339

GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: C0001307

CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
S. J ID NO 9220  
LENGTH: 331  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-9220

Query Match 100.0%; Score 76; DB 2; Length 331;  
Best Local Similarity 100.0%; Pred. NO. 4.9e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNTIS 16  
|||  
Db 153 RYDALNVLMAMNTIS 168

RESULT 12  
US-08-723-415B-4  
Sequence 4, Application US/08723415B  
Patent No. 5859199

GENERAL INFORMATION:  
APPLICANT: Lathangue, Nicholas B.  
APPLICANT: delaluna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 369 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-4

Query Match 100.0%; Score 76; DB 1; Length 369;  
Best Local Similarity 100.0%; Pred. NO. 5.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNTIS 16  
|||  
Db 106 RYDALNVLMAMNTIS 121

RESULT 13  
US-09-189-627A-4  
Sequence 4, Application US/09189627A  
Patent No. 6159691

GENERAL INFORMATION:  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 4  
LENGTH: 369  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-4

Query Match 100.0%; Score 76; DB 2; Length 369;  
Best Local Similarity 100.0%; Pred. NO. 5.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNTIS 16  
|||  
Db 106 RYDALNVLMAMNTIS 121

RESULT 14  
US-09-710-861-4  
Sequence 4, Application US/09710861  
Patent No. 6387649

GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54

1 CURRENT APPLICATION NUMBER: US/09/710,861  
1 CURRENT FILING DATE: 2000-11-13  
1 PRIOR APPLICATION NUMBER: US/09/189,627  
1 PRIOR FILING DATE: 1998-11-10  
1 PRIOR APPLICATION NUMBER: 08/723,415  
1 PRIOR FILING DATE: 1996-09-30  
1 PRIOR APPLICATION NUMBER: GB 9610195  
1 PRIOR FILING DATE: 1996-05-15  
1 NUMBER OF SEQ ID NOS: 25  
1 SOFTWARE: Patentln Ver. 2.0  
1 SEQ ID NO 4  
1 LENGTH: 369  
1 TYPE: PRT  
1 ORGANISM: mouse  
US-09-710-861-4

Query Match 100.0%; Score 76; DB 2; Length 369;  
Best Local Similarity 100.0%; Pred. No. 5.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 RYDALNVTAMNTIS 16  
|||  
Db 106 RYDALNVTAMNTIS 121

RESULT 15  
US-08-723-415B-6  
1 Sequence 6, Application US/08723415B  
1 Patent No. 5859199  
1 GENERAL INFORMATION:  
1 APPLICANT: Lathague, Nicholas B.  
1 APPLICANT: delaluna, Susana  
1 TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
1 THEREOF  
1 NUMBER OF SEQUENCES: 21  
1 CORRESPONDENCE ADDRESS:  
1 ADDRESSEE: NIXON & VANDERHAYE P.C.  
1 STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
1 CITY: Arlington  
1 STATE: VA  
1 COUNTRY: USA  
1 ZIP: 22201-4741  
1 COMPUTER READABLE FORM:  
1 MEDIUM TYPE: floppy disk  
1 COMPUTER: IBM PC compatible  
1 OPERATING SYSTEM: PC-DOS/MS-DOS  
1 SOFTWARE: Patentln Release #1.0, Version #1.30  
1 CURRENT APPLICATION DATA:  
1 APPLICATION NUMBER: US/08/723,415B  
1 FILING DATE: 30-SEP-1996  
1 CLASSIFICATION: 435  
1 PRIOR APPLICATION DATA:  
1 APPLICATION NUMBER: GB 9610195.1  
1 FILING DATE: 15-MAY-1996  
1 ATTORNEY/AGENT INFORMATION:  
1 NAME: Crawford, Arthur R.  
1 REGISTRATION NUMBER: 25,327  
1 REFERENCE/DOCKET NUMBER: 117-220  
1 TELECOMMUNICATION INFORMATION:  
1 TELEPHONE: 703-816-4000  
1 TELEFAX: 703-816-4100  
1 INFORMATION FOR SEQ ID NO: 6:  
1 SEQUENCE CHARACTERISTICS:  
1 LENGTH: 370 amino acids  
1 TYPE: amino acid  
1 TOPOLOGY: linear  
1 MOLECULE TYPE: protein  
US-08-723-415B-6

Query Match 100.0%; Score 76; DB 1; Length 370;  
Best Local Similarity 100.0%; Pred. No. 5.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 RYDALNVTAMNTIS 16  
|||  
Db 107 RYDALNVTAMNTIS 122

RESULT 16  
US-09-189-627A-6  
1 Sequence 6, Application US/09189627A  
1 Patent No. 6159691  
1 GENERAL INFORMATION:  
1 APPLICANT: La Thangue, Nicholas  
1 APPLICANT: de la Luna, Susana  
1 TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
1 FILE REFERENCE: 620-54  
1 CURRENT APPLICATION NUMBER: US/09/189,627A  
1 CURRENT FILING DATE: 1998-11-10  
1 PRIOR APPLICATION NUMBER: 08/723,415  
1 PRIOR FILING DATE: 1996-09-30  
1 PRIOR APPLICATION NUMBER: GB 9610195  
1 PRIOR FILING DATE: 1996-05-15  
1 NUMBER OF SEQ ID NOS: 25  
1 SOFTWARE: Patentln Ver. 2.0  
1 SEQ ID NO 6  
1 LENGTH: 370  
1 TYPE: PRT  
1 ORGANISM: mouse  
US-09-189-627A-6

Query Match 100.0%; Score 76; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 5.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 RYDALNVTAMNTIS 16  
|||  
Db 107 RYDALNVTAMNTIS 122

RESULT 17  
US-09-710-861-6  
1 Sequence 6, Application US/09710861  
1 Patent No. 6387649  
1 GENERAL INFORMATION:  
1 APPLICANT: La Thangue, Nicholas  
1 APPLICANT: de la Luna, Susana  
1 TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
1 FILE REFERENCE: 620-54  
1 CURRENT APPLICATION NUMBER: US/09/710,861  
1 CURRENT FILING DATE: 2000-11-13  
1 PRIOR APPLICATION NUMBER: US/09/189,627  
1 PRIOR FILING DATE: 1998-11-10  
1 PRIOR APPLICATION NUMBER: 08/723,415  
1 PRIOR FILING DATE: 1996-09-30  
1 PRIOR APPLICATION NUMBER: GB 9610195  
1 PRIOR FILING DATE: 1996-05-15  
1 NUMBER OF SEQ ID NOS: 25  
1 SOFTWARE: Patentln Ver. 2.0  
1 SEQ ID NO 6  
1 LENGTH: 370  
1 TYPE: PRT  
1 ORGANISM: mouse  
US-09-710-861-6

Query Match 100.0%; Score 76; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 5.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 RYDALNVTAMNTIS 16  
|||  
Db 107 RYDALNVTAMNTIS 122

RESULT 18  
US-08-723-415B-8

Sequence 8, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: Lathangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 385 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-8

Query Match 100.0%; Score 76; DB 1; Length 385;  
Best Local Similarity 100.0%; Pred. No. 5.9e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 RYDALNVLMAMNTIS 16  
Db 122 RYDALNVLMAMNTIS 137

RESULT 19  
US-09-189-627A-8  
Sequence 8, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 8  
LENGTH: 385  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-8

Query Match 100.0%; Score 76; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 5.9e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 RYDALNVLMAMNTIS 16  
Db 122 RYDALNVLMAMNTIS 137

RESULT 20  
US-09-710-861-8  
Sequence 8, Application US/09710861  
Patent No. 6387649  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/710,861  
CURRENT FILING DATE: 2000-11-13  
PRIOR APPLICATION NUMBER: US/09/189,627  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 8  
LENGTH: 385  
TYPE: PRT  
ORGANISM: mouse  
US-09-710-861-8

Query Match 100.0%; Score 76; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 5.9e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 RYDALNVLMAMNTIS 16  
Db 122 RYDALNVLMAMNTIS 137

RESULT 21  
US-08-723-415B-10  
Sequence 10, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: Lathangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996

ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-10

Query Match 100.0%; Score 76; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 168 RYVDALNVLMAMNIIS 183

RESULT 22  
US-08-723-415B-11  
Sequence 11, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B.  
APPLICANT: delaluna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
TITLE OF INVENTION: THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-11

Query Match 100.0%; Score 76; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 168 RYVDALNVLMAMNIIS 183

RESULT 23  
US-08-428-131-2  
Sequence 2, Application US/08428131  
Patent No. 5863757  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Nixon & Vanderhaye  
STREET: 1100 No. 5863757th Glebe Road, 8th floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-428-131-2

Query Match 100.0%; Score 76; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYVDALNVLMAMNIIS 16  
Db 168 RYVDALNVLMAMNIIS 183

RESULT 24  
US-08-602-846-2  
Sequence 2, Application US/08602846  
Patent No. 5871901  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B  
TITLE OF INVENTION: ASSAY FOR INHIBITORS OF DP-1 AND OTHER DP  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Nixon & Vanderhaye PC  
STREET: 8th floor, 1100 No. 5871901th Glebe Road  
CITY: Arlington  
STATE: Virginia  
COUNTRY: USA  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible



OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/602,846  
FILING DATE: 26-FEB-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: CRAWFORD, ARTHUR R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 620-12  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-602-846-2

Query Match 100.0%; Score 76; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNIIS 16  
Db 168 RYDALNVLMAMNIIS 183

## RESULT 25

US-09-078-596-2  
Sequence 2, Application US/09078596  
Patent No. 6150116  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glabe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-2

Query Match 100.0%; Score 76; DB 2; Length 410;

Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNIIS 16  
Db 168 RYDALNVLMAMNIIS 183

## RESULT 26

US-09-189-627A-10  
Sequence 10, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 10  
LENGTH: 410  
TYPE: PRT  
ORGANISM: human  
US-09-189-627A-10

Query Match 100.0%; Score 76; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNIIS 16  
Db 168 RYDALNVLMAMNIIS 183

## RESULT 27

US-09-189-627A-11  
Sequence 11, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 11  
LENGTH: 410  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-11

Query Match 100.0%; Score 76; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.3e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVLMAMNIIS 16  
Db 168 RYDALNVLMAMNIIS 183

## RESULT 28

```

US-09-710-861-10
: Sequence 10: Application US/09710861
: Patent No. 6387649
: GENERAL INFORMATION:
: APPLICANT: La Thangue, Nicholas
: APPLICANT: de la Luna, Susana
: TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
: FILE REFERENCE: 620-54
: CURRENT APPLICATION NUMBER: US/09/710,861
: CURRENT FILING DATE: 2000-11-13
: PRIOR APPLICATION NUMBER: US/09/189,627
: PRIOR FILING DATE: 1998-11-10
: PRIOR APPLICATION NUMBER: 08/723,415
: PRIOR FILING DATE: 1996-09-30
: PRIOR APPLICATION NUMBER: GB 9610195
: PRIOR FILING DATE: 1996-05-15
: NUMBER OF SEQ. ID NOS: 25
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 10
: LENGTH: 410
: TYPE: PRT
: ORGANISM: human
US-09-710-861-10

```

```

Qy      1 RYVDALNVLAMNIIIS 16
         |||||
Db      168 RYVDALNVLAMNIIIS 183

```

```

RESULT 29
US-09-710-861-11
: Sequence 11, Application US/09710861
: Patent No. 6387649
: GENERAL INFORMATION:
: APPLICANT: La Thangue, Nicholas
: APPLICANT: de la Luna, Susana
: TITLE OR INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
: FILE REFERENCE: 620-54
: CURRENT APPLICATION NUMBER: US/09/710,861
: CURRENT FILING DATE: 2000-11-13
: PRIOR APPLICATION NUMBER: US/09/189,627
: PRIOR FILING DATE: 1998-11-10
: PRIOR APPLICATION NUMBER: 08/723,415
: PRIOR FILING DATE: 1996-09-30
: PRIOR APPLICATION NUMBER: GB 9610195
: PRIOR FILING DATE: 1996-05-15
: NUMBER OF SEQ ID NOS: 25
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 11
: LENGTH: 410
: TYPE: PRT
: ORGANISM: mouse
: US-09-710-861-11

```

```
Qy      1 RYVDALNTLMAMNIIIS 16
          |||||
Db      168 RYVDALNTLMAMNIIIS 183
```

RESULT 30  
US-09-949-016-8808  
; Sequence 8808, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.

```

? TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
? TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
? FILE REFERENCE: CL0010307
? CURRENT APPLICATION NUMBER: US/09/949,016
? CURRENT FILING DATE: 2000-04-14
? PRIOR APPLICATION NUMBER: 60/241,755
? PRIOR FILING DATE: 2000-10-20
? PRIOR APPLICATION NUMBER: 60/237,768
? PRIOR FILING DATE: 2000-10-03
? PRIOR APPLICATION NUMBER: 60/231,498
? PRIOR FILING DATE: 2000-03-08
? NUMBER OF SEQ ID NOS: 207012
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 8608
? LENGTH: 415
? TYPE: PRT
? ORGANISM: Human
US-09-949-016-8608

```

```
Qy      1 RYVDALNTLMAMNTIS 16
         |||||
Db      173 RYVDALNTLMAMNTIS 188
```

```

: RESULT 31
: US-08-723-415B-2
: Sequence 2, Application US/08723415B
: Patent No. 5859199
: GENERAL INFORMATION:
: APPLICANT: Lathangue, Nicholas B.
: APPLICANT: delaluna, Susana
: TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS
: TITLE OF INVENTION: THEREOF
: NUMBER OF SEQUENCES: 21
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: NIXON & VANDERHAYE P.C.
: STREET: 1100 No. 5859199th Gleebe Rd. 8th floor
: CITY: Arlington
: STATE: VA
: COUNTRY: USA
: ZIP: 22201-4741
: COMPUTER READABLE FORM:
: MEDIUM TYPE: floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/723.415B
: FILING DATE: 30-SEP-1996
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: GB 9610195.1
: FILING DATE: 15-MAY-1996
: ATTORNEY/AGENT INFORMATION:
: NAME: Crawford, Arthur R.
: REGISTRATION NUMBER: 25,327
: REFERENCE/DOCKET NUMBER: 117-220
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 703-816-4000
: TELEFAX: 703-816-4100
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 446 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
:
: US-08-723-415B-2

```

Best Local Similarity 100.0%; Pred. No. 7e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVLMMNIIIS 16  
Db 183 RYDALNVLMMNIIIS 198

## RESULT 32

US-09-189-627A-2  
; Sequence 2, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 446  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-189-627A-2

Query Match 100.0%; Score 76; DB 2; Length 446;  
Best Local Similarity 100.0%; Pred. No. 7e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVLMMNIIIS 16  
Db 183 RYDALNVLMMNIIIS 198

RESULT 33  
US-09-710-861-2  
; Sequence 2, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/710,861  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 446  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-710-861-2

Query Match 100.0%; Score 76; DB 2; Length 446;  
Best Local Similarity 100.0%; Pred. No. 7e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVLMMNIIIS 16  
Db 183 RYDALNVLMMNIIIS 198

RESULT 34  
US-09-269-576G-3  
; Sequence 3, Application US/09269576G  
; Patent No. 6713449  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 3  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURES:  
; OTHER INFORMATION: Synthetic  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine  
US-09-269-576G-3

Query Match 94.7%; Score 72; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.3e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RYDALNVLMMNII 15  
Db 13 RYDALNVLMMNII 27

RESULT 35  
US-09-269-576G-21  
; Sequence 21, Application US/09269576G  
; Patent No. 6713449  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 21  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURES:  
; OTHER INFORMATION: Synthetic  
; NAME/KEY: Modified-site  
; LOCATION: 1

```
/ OTHER INFORMATION: Xaa at position 1 representing N-lauryl-L-asparagine
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 28
/ OTHER INFORMATION: Xaa at position 28 representing L-serinamide
US-09-269-576G-21
```

```
Query Match          94.7%; Score 72; DB 2; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.3e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 RYDALNVLMAMNII 15
Db 13 RYDALNVLMAMNII 27
```

## RESULT 36

```
US-09-640-211A-1157
/ Sequence 1157, Application US/09640211A
/ Patent No. 6833446
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marion
/ APPLICANT: Shenk, Michael A.
/ APPLICANT: McGrath, Annekte
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ FILE REFERENCE: 11000.1021CIU
/ CURRENT APPLICATION NUMBER: US/09/640,211A
/ CURRENT FILING DATE: 2000-08-16
/ NUMBER OF SEQ ID NOS: 2368
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1157
/ LENGTH: 119
/ TYPE: PRT
/ ORGANISM: Pinus radiata
US-09-640-211A-1157
```

```
Query Match          93.4%; Score 71; DB 2; Length 119;
Best Local Similarity 93.8%; Pred. No. 1.2e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 RYDALNVLMAMNII 16
Db 76 RYDALNVLMAMDIIS 91
```

## RESULT 37

```
US-09-640-211A-1056
/ Sequence 1056, Application US/09640211A
/ Patent No. 6833446
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marion
/ APPLICANT: Shenk, Michael A.
/ APPLICANT: McGrath, Annekte
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ FILE REFERENCE: 11000.1021CIU
/ CURRENT APPLICATION NUMBER: US/09/640,211A
/ CURRENT FILING DATE: 2000-08-16
/ NUMBER OF SEQ ID NOS: 2368
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1056
/ LENGTH: 120
/ TYPE: PRT
/ ORGANISM: Pinus radiata
US-09-640-211A-1056
```

```
Query Match          93.4%; Score 71; DB 2; Length 120;
Best Local Similarity 93.8%; Pred. No. 1.2e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 RYDALNVLMAMNII 16
Db 75 RYDALNVLMAMDIIS 90
```

## RESULT 38

```
US-09-308-935-15
/ Sequence 15, Application US/09308935
/ Patent No. 6268334
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas B
/ APPLICANT: Bandara, Lasantha R
/ TITLE OF INVENTION: Peptide antagonists of DP transcription factors
/ FILE REFERENCE: 620-67
/ CURRENT APPLICATION NUMBER: US/09/308,935
/ CURRENT FILING DATE: 1999-05-27
/ EARLIER APPLICATION NUMBER: PCT/GB97/03506
/ EARLIER FILING DATE: 1997-12-22
/ EARLIER APPLICATION NUMBER: GB 9626589.7
/ EARLIER FILING DATE: 1996-12-20
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 15
/ LENGTH: 19
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide
US-09-308-935-15
```

```
Query Match          89.5%; Score 68; DB 2; Length 19;
Best Local Similarity 87.5%; Pred. No. 4.6e-06;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1 RYDALNVLMAMNII 16
Db 3 RYDALNVLMAMNII 18
```

## RESULT 39

```
US-09-308-935-16
/ Sequence 16, Application US/09308935
/ Patent No. 6268334
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas B
/ APPLICANT: Bandara, Lasantha R
/ TITLE OF INVENTION: Peptide antagonists of DP transcription factors
/ FILE REFERENCE: 620-67
/ CURRENT APPLICATION NUMBER: US/09/308,935
/ CURRENT FILING DATE: 1999-05-27
/ EARLIER APPLICATION NUMBER: PCT/GB97/03506
/ EARLIER FILING DATE: 1997-12-22
/ EARLIER APPLICATION NUMBER: GB 9626589.7
/ EARLIER FILING DATE: 1996-12-20
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 16
/ LENGTH: 19
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide
US-09-308-935-16
```

```
Query Match          89.5%; Score 68; DB 2; Length 19;
Best Local Similarity 93.8%; Pred. No. 4.6e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 1 RYDALNVLMAMNII 16
Db 3 RYDALNVLMAMNII 18
```

RESULT 40  
US-09-308-935-6  
; Sequence 6, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; CURRENT FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-6  
Query Match 88.2%; Score 67; DB 2; Length 30;  
Best Local Similarity 100.0%; Pred.No. 1.2e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 3 RYDALNVLMMNNITIS 16  
DB 1 YDALNVLMMNNITIS 14

RESULT 41  
US-09-269-576G-26  
; Sequence 26, Application US/09269576G  
; Patent No. 6713449  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamaseaki, Moco  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766-29  
; CURRENT APPLICATION NUMBER: US/09/269,576G  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 26  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; NAME/KEY: Modified-site  
; LOCATION: 1-10 and 26-29  
; OTHER INFORMATION: any one or all of amino acids 1-10 and 26-29 may be present or ab  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: Xaa at position 1 represents Asn, Thr, Ala or Tyr  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 2  
; OTHER INFORMATION: Xaa at position 2 represents Glu or Asp  
; FEATURE:  
; NAME/KEY: Modified-site

LOCATION: 3  
; OTHER INFORMATION: Xaa at position 3 represents Ser or Asn  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 5  
; OTHER INFORMATION: Xaa at position 5 represents Ala or Asn  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 6  
; OTHER INFORMATION: Xaa at position 6 represents Tyr or Cys  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 9  
; OTHER INFORMATION: Xaa at position 9 represents Lys or Glu  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 25  
; OTHER INFORMATION: Xaa at position 25 represents Met or Ile  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 27  
; OTHER INFORMATION: Xaa at position 27 represents Ile or Val  
US-09-269-576G-26  
Query Match 85.5%; Score 65; DB 2; Length 29;  
Best Local Similarity 87.5%; Pred.No. 2.8e-05;  
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
QY 1 RYDALNVLMMNNITIS 16  
DB 14 RYDALNVLMMNNITIS 29

RESULT 42  
US-09-308-935-11  
; Sequence 11, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; CURRENT FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-11  
Query Match 84.2%; Score 64; DB 2; Length 14;  
Best Local Similarity 100.0%; Pred.No. 1.8e-05;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 RYDALNVLMMNN 13  
DB 2 RYDALNVLMMNN 14

RESULT 43  
US-09-308-935-17  
; Sequence 17, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B

```
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: WordPerfect 8
; SEQ ID NO 17
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide
US-09-308-935-17
```

```
Query Match      84.2%; Score 64; DB 2; Length 19;
Best Local Similarity 87.5%; Pred. No. 2.5e-05;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
OY      1 RYVDALNVLMAMNTIS 16
Db      3 RYVDARNVVMAMNTIS 18
```

```
RESULT 44
US-09-269-576G-23
; Sequence 23, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamasaki, Motoo
; APPLICANT: Yoshida, Tetsuo
; APPLICANT: Mizukami, Tamiro
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound
; FILE REFERENCE: 766.29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 23
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-269-576G-23
```

```
Query Match      76.3%; Score 58; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.00025;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1 RYVDALNVLMAM 12
Db      4 RYVDALNVLMAM 15
```

```
RESULT 45
US-09-269-576G-4
; Sequence 4, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamasaki, Motoo
; APPLICANT: Yoshida, Tetsuo
; APPLICANT: Mizukami, Tamiro
```

```
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound
; FILE REFERENCE: 766.29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 4
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-isoleucine
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 15
; OTHER INFORMATION: Xaa at position 15 representing L-methioninamide
US-09-269-576G-4
```

```
Query Match      69.7%; Score 53; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1 RYVDALNVLMAM 11
Db      4 RYVDALNVLMAM 14
```

```
RESULT 46
US-09-308-935-4
; Sequence 4, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: Ia Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-4
```

```
Query Match      60.5%; Score 46; DB 2; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.058;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      7 NVLMAMNTIS 16
Db      1 NVLMAMNTIS 10
```

```
RESULT 47
US-09-308-935-9
; Sequence 9, Application US/09308935
; Patent No. 6268334
```

GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/308,935  
CURRENT FILING DATE: 1999-05-27  
EARLIER APPLICATION NUMBER: PCT/GB97/03506  
EARLIER FILING DATE: 1997-12-22  
EARLIER APPLICATION NUMBER: GB 9626589.7  
EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 9  
LENGTH: 11  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-9

Query Match 57.9%; Score 44; DB 2; Length 11;  
Best Local Similarity 100.0%; Pred. No. 0.066;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RYDALNVL 9  
Db 3 RYDALNVL 11

RESULT 48  
US-09-308-935-2  
Sequence 2, Application US/09308935  
Patent No. 6268334  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/308,935  
CURRENT FILING DATE: 1999-05-27  
EARLIER APPLICATION NUMBER: PCT/GB97/03506  
EARLIER FILING DATE: 1997-12-22  
EARLIER APPLICATION NUMBER: GB 9626589.7  
EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 2  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-2

Query Match 55.3%; Score 42; DB 2; Length 9;  
Best Local Similarity 100.0%; Pred. No. 4.6e+05;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 NVLMAMNII 15  
Db 1 NVLMAMNII 9

RESULT 49  
US-09-583-110-4963  
Sequence 4963, Application US/09583110  
Patent No. 6699703  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al.  
TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus  
TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics  
FILE REFERENCE: PAT00-07A

CURRENT APPLICATION NUMBER: US/09/583,110  
CURRENT FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/107,433  
PRIOR FILING DATE: 1998-06-30  
PRIOR APPLICATION NUMBER: US 60/085,131  
PRIOR FILING DATE: 1998-05-12  
PRIOR APPLICATION NUMBER: US 60/051,553  
PRIOR FILING DATE: 1997-07-02  
NUMBER OF SEQ ID NOS: 5322  
SEQ ID NO 4963  
LENGTH: 74  
TYPE: PRT  
ORGANISM: Streptococcus pneumoniae  
US-09-583-110-4963

Query Match 52.6%; Score 40; DB 2; Length 74;  
Best Local Similarity 50.0%; Pred. No. 3.7;  
Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 3 YDALNVLMAMNIIIS 16  
Db 47 FDSLNVLIMMIVIS 60

RESULT 50  
US-09-419-679-8  
Sequence 8, Application US/09419679  
Patent No. 6630617  
GENERAL INFORMATION:  
APPLICANT: Falco, S. Carl  
APPLICANT: Famodu, Omolayo O.  
APPLICANT: Hitz, William D.  
APPLICANT: Kinney, Anthony J.  
APPLICANT: Rafalski, Antoni  
APPLICANT: McGonigle, Brian  
APPLICANT: Lohman, Karin  
TITLE OF INVENTION: Enzymes Involved in Squalene Metabolism  
FILE REFERENCE: B8113 US NA  
CURRENT APPLICATION NUMBER: US/09/419,679  
CURRENT FILING DATE: 1999-10-15  
EARLIER APPLICATION NUMBER: 60/105,405  
EARLIER FILING DATE: 1998-10-23  
NUMBER OF SEQ ID NOS: 16  
SOFTWARE: Microsoft Office 97  
SEQ ID NO 8  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Trifolium aestivum  
US-09-419-679-8

Query Match 52.0%; Score 39.5; DB 2; Length 345;  
Best Local Similarity 64.3%; Pred. No. 29;  
Matches 9; Conservative 3; Mismatches 1; Indels 1; Gaps 1;

QY 1 RYDALNVLMAMNII 13  
Db 97 RYDALNVLMAMNII 110

Search completed: March 17, 2006, 20:54:44  
Job time : 34.9091 secs

**This Page Blank (uspto)**



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OM protein - protein search, using sw model

Run on: March 17, 2006, 20:46:22 ; Search time 64.8276 Seconds  
(without alignments)  
126.905 Million cell updates/sec

Title: US-09-900-147-4

Perfect score: 101

Sequence: 1 NVLMAMNIISKEKEIKWIG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA Main:  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep:\*  
6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	101	100.0	20	3	US-09-900-147-4
2	101	100.0	30	3	US-09-900-147-6
3	101	100.0	37	3	US-09-900-147-1
4	101	100.0	74	4	US-10-214-188-10
5	101	100.0	149	5	US-10-450-763-35869
6	101	100.0	355	4	US-10-106-698-4846
7	101	100.0	424	5	US-10-450-763-58416
8	94	93.1	405	4	US-10-345-837-24
9	94	93.1	405	4	US-10-345-837-24
10	90	89.1	445	6	US-11-097-143-9348
11	86	85.1	119	5	US-10-856-499-1157
12	86	85.1	185	5	US-10-450-763-35867
13	84	83.2	575	3	US-09-220-091-7
14	82	81.2	120	5	US-10-856-499-1056
15	82	81.2	207	4	US-10-425-114-71403
16	82	81.2	222	4	US-10-425-114-36974
17	82	81.2	301	4	US-10-425-115-272014
18	82	81.2	314	4	US-10-424-599-185947
19	82	81.2	318	4	US-10-437-963-16158
20	82	81.2	320	4	US-10-424-599-186648
21	82	81.2	385	5	US-10-739-930-6734
22	81	80.2	263	4	US-10-437-963-167076
23	81	80.2	336	4	US-10-425-114-46555
24	81	80.2	341	4	US-10-425-115-18696
25	77	76.2	369	4	US-10-437-963-136371
26	74	73.3	250	4	US-10-425-115-186778
27	70	69.3	292	5	US-10-489-500-4

28	53	52.5	165	4	US-10-424-599-234773	Sequence 234773, Appl1
29	51	50.5	19	3	US-09-900-147-3	Sequence 3, Appl1
30	51	50.5	19	3	US-09-900-147-16	Sequence 16, Appl1
31	50	49.5	15	3	US-09-900-147-10	Sequence 10, Appl1
32	50	49.5	29	3	US-09-764-877-1380	Sequence 1380, Ap
33	50	49.5	29	4	US-10-242-515-1380	Sequence 1380, Ap
34	50	49.5	323	5	US-10-732-923-3273	Sequence 3273, Ap
35	50	49.5	379	5	US-10-732-923-3273	Sequence 3273, Ap
36	50	49.5	403	5	US-10-732-923-3272	Sequence 3272, Ap
37	48.5	48.0	198	5	US-10-732-923-3386	Sequence 3386, Ap
38	48	47.5	1328	4	US-10-369-493-22025	Sequence 22025, A
39	47.5	47.0	287	5	US-10-732-923-3422	Sequence 3422, Ap
40	47.5	47.0	412	5	US-10-732-923-3424	Sequence 3424, Ap
41	47.5	47.0	470	5	US-10-732-923-3423	Sequence 3423, Ap
42	47	46.5	19	3	US-09-900-147-15	Sequence 15, Appl
43	47	46.5	346	4	US-10-310-154-448	Sequence 448, Ap
44	47	46.5	381	4	US-10-425-114-40179	Sequence 40179, A
45	47	46.5	402	5	US-10-732-923-534	Sequence 534, Ap

## ALIGNMENTS

```
RESULT 1
US-09-900-147-4
; Sequence 4, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-4
Query Match          100.0%; Score 101; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 NVLMAMNIISKEKEIKWIG 20
Db 1 NVLMAMNIISKEKEIKWIG 20
RESULT 2
US-09-900-147-6
; Sequence 6, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
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SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 6  
LENGTH: 30  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-6

Query Match 100.0%; Score 101; DB 3; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4,4e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNISKEKEIKWIG 20  
|||||  
DB 5 NVLMANNISKEKEIKWIG 24

RESULT 3  
US-09-900-147-1  
Sequence 1, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandara, Lasantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900,147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1  
LENGTH: 37  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-1

Query Match 100.0%; Score 101; DB 3; Length 37;  
Best Local Similarity 100.0%; Pred. No. 5,4e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNISKEKEIKWIG 20  
|||||  
DB 12 NVLMANNISKEKEIKWIG 31

RESULT 4  
US-10-214-188-10  
Sequence 10, Application US/10214188  
Publication No. US20030022260A1  
GENERAL INFORMATION:  
APPLICANT: LA THANGUE, NICHOLAS B.  
BERNARDS, RENEE  
HIDJANS, ELEANORE M.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/214,188  
FILING DATE: 08-Aug-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/894,139  
FILING DATE: 13-AUG-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: WILSON, MARY J.  
REGISTRATION NUMBER: 32,955  
REFERENCE/DOCKET NUMBER: 620-22  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 74 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
US-10-214-188-10

Query Match 100.0%; Score 101; DB 4; Length 74;  
Best Local Similarity 100.0%; Pred. No. 1,1e-07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNISKEKEIKWIG 20  
|||||  
DB 54 NVLMANNISKEKEIKWIG 73

RESULT 5  
US-10-450-763-35869  
Sequence 35869, Application US/10450763  
Publication No. US20050196754A1  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 790CIP3/US  
CURRENT APPLICATION NUMBER: US/10/450,763  
CURRENT FILING DATE: 2003-06-11  
PRIOR APPLICATION NUMBER: PCT/US01/08631  
PRIOR FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 09/540,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Custom  
SEQ ID NO 35869  
LENGTH: 149  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-450-763-35869

Query Match 100.0%; Score 101; DB 5; Length 149;  
Best Local Similarity 100.0%; Pred. No. 2,3e-07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNISKEKEIKWIG 20  
|||||  
DB 33 NVLMANNISKEKEIKWIG 52

RESULT 6  
US-10-106-698-4846  
Sequence 4846, Application US/10106698  
Publication No. US20030109690A1  
GENERAL INFORMATION:  
APPLICANT: Ruben et al.

```
/ TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
/ FILE REFERENCE: PA005PI
/ CURRENT APPLICATION NUMBER: US/10/106,698
/ PRIOR FILING DATE: 2002-03-27
/ PRIOR APPLICATION NUMBER: PCT/US00/26524
/ PRIOR FILING DATE: 2000-09-28
/ PRIOR APPLICATION NUMBER: US 60/157,137
/ PRIOR FILING DATE: 1999-09-29
/ PRIOR APPLICATION NUMBER: US 60/163,280
/ PRIOR FILING DATE: 1999-11-03
/ NUMBER OF SEQ ID NOS: 8564
/ SOFTWARE: PatentIn Ver. 3.0
/ SEQ ID NO 4846
/ LENGTH: 355
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (342)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (348)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (351)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (352)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-4846
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Query Match          100.0%; Score 101; DB 4; Length 355;
Best Local Similarity 100.0%; Pred. No. 5.7e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 NVLMAMNIIISKEKKEIKWIG 20
        |||
Db      180 NVLMAMNIIISKEKKEIKWIG 199
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RESULT 7
US-10-450-763-58416
/ Sequence 58416, Application US/10450763
/ Publication No. US20050196754A1
/ GENERAL INFORMATION:
/ APPLICANT: Hyseq, Inc
/ TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
/ FILE REFERENCE: 790CIP3/US
/ CURRENT APPLICATION NUMBER: US/10/450,763
/ PRIOR FILING DATE: 2003-06-11
/ PRIOR APPLICATION NUMBER: PCT/US01/08631
/ PRIOR FILING DATE: 2001-03-30
/ PRIOR APPLICATION NUMBER: 09/540,217
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: 09/649,167
/ PRIOR FILING DATE: 2000-08-23
/ NUMBER OF SEQ ID NOS: 60736
/ SOFTWARE: Custom
/ SEQ ID NO 58416
/ LENGTH: 424
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-450-763-58416
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Query Match          100.0%; Score 101; DB 5; Length 424;
Best Local Similarity 100.0%; Pred. No. 6.8e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 NVLMAMNIIISKEKKEIKWIG 20
        |||
Db      167 NVLMAMNIIISKEKKEIKWIG 186
```

```
RESULT 8
US-10-053-248-24
/ Sequence 24, Application US/10053248
/ Publication No. US20030144188A1
/ GENERAL INFORMATION:
/ APPLICANT: Lin, Biaoyang
/ TITLE OF INVENTION: Androgen Regulated Nucleic Acid
/ TITLE OF INVENTION: Molecules and Encoded Proteins
/ FILE REFERENCE: P-1S 4814
/ CURRENT APPLICATION NUMBER: US/10/053,248
/ PRIOR FILING DATE: 2002-01-15
/ NUMBER OF SEQ ID NOS: 34
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 24
/ LENGTH: 405
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-053-248-24
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Query Match          93.1%; Score 94; DB 4; Length 405;
Best Local Similarity 90.0%; Pred. No. 7.6e-06;
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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```
Qy      1 NVLMAMNIIISKEKKEIKWIG 20
        |||
Db      169 NVLMAMNIIISKEKKEIKWIG 188
```

```
RESULT 9
US-10-345-837-24
/ Sequence 24, Application US/10345837
/ Publication No. US20040137440A1
/ GENERAL INFORMATION:
/ APPLICANT: Lin, Biaoyang
/ TITLE OF INVENTION: Androgen Regulated Nucleic Acid
/ TITLE OF INVENTION: Molecules and Encoded Proteins
/ FILE REFERENCE: P-1S 5589
/ CURRENT APPLICATION NUMBER: US/10/345,837
/ PRIOR FILING DATE: 2003-01-15
/ PRIOR APPLICATION NUMBER: US 10/053,248
/ PRIOR FILING DATE: 2002-01-15
/ NUMBER OF SEQ ID NOS: 34
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 24
/ LENGTH: 405
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-345-837-24
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```
Query Match          93.1%; Score 94; DB 4; Length 405;
Best Local Similarity 90.0%; Pred. No. 7.6e-06;
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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```
Qy      1 NVLMAMNIIISKEKKEIKWIG 20
        |||
Db      169 NVLMAMNIIISKEKKEIKWIG 188
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RESULT 10
US-11-097-143-9348
/ Sequence 9348, Application US/11097143
/ Publication No. US20050208558A1
/ GENERAL INFORMATION:
/ APPLICANT: Venter, J. Craig
/ APPLICANT: et al.
/ TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
/ TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
/ FILE REFERENCE: C1000728
/ CURRENT APPLICATION NUMBER: US/11/097,143
/ PRIOR FILING DATE: 2005-04-04
/ PRIOR APPLICATION NUMBER: 60/157,832
/ PRIOR FILING DATE: 1999-10-05
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; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9348
; LENGTH: 445
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-9348
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Query Match      89.1%; Score 90; DB 6; Length 445;
Best Local Similarity 80.0%; Pred. No. 3.4e-05;
Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 NVLMAMNIIISKEKEIKWIG 20
Db      224 NVLMAMNIIISKEKEIKWIG 243
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```

RESULT 11
US-10-856-499-1157
; Sequence 1157, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1157
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-856-499-1157
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Query Match      85.1%; Score 86; DB 5; Length 119;
Best Local Similarity 85.0%; Pred. No. 3.5e-05;
Matches 17; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
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Qy      1 NVLMAMNIIISKEKEIKWIG 20
Db      82 NVLMAMNIIISKEKEIKWIG 101
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RESULT 12
US-10-450-763-35867
; Sequence 35867, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: HySeq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
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; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 35867
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-35867
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Query Match      85.1%; Score 86; DB 5; Length 185;
Best Local Similarity 85.0%; Pred. No. 5.5e-05;
Matches 17; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
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Qy      1 NVLMAMNIIISKEKEIKWIG 20
Db      160 NVLMAMNIIISKEKEIKWIG 179
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```

RESULT 13
US-09-220-091-7
; Sequence 7, Application US/09220091
; Patent No. US20020064523A1
; GENERAL INFORMATION:
; APPLICANT: H. Robert Horvitz
; APPLICANT: Craig Ceol
; APPLICANT: Xiaowei Lu
; TITLE OF INVENTION: A TUMOR SUPPRESSOR PATHWAY IN C. ELEGANS
; FILE REFERENCE: 01997/202003
; CURRENT APPLICATION NUMBER: US/09/220,091
; CURRENT FILING DATE: 1998-12-23
; EARLIER APPLICATION NUMBER: 60/047,996
; EARLIER FILING DATE: 1997-05-28
; EARLIER APPLICATION NUMBER: 09/087,136
; EARLIER FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 575
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-220-091-7
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Query Match      83.2%; Score 84; DB 3; Length 575;
Best Local Similarity 75.0%; Pred. No. 0.00036;
Matches 15; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
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```
Qy      1 NVLMAMNIIISKEKEIKWIG 20
Db      110 NVLMAMNIIISKEKEIKWIG 129
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```

RESULT 14
US-10-856-499-1056
; Sequence 1056, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 120
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TYPE: PRT  
ORGANISM: Pinus radiata  
US-10-856-439-1056

Query Match  
Best Local Similarity 81.2%; Score 82; DB 5; Length 120;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMAMNIIISKEKEIKWIG 20  
|||||:||||:|||||  
DB 81 NVLMAMDIISKDKKEIQWKG 100

## RESULT 15

US-10-425-114-71403  
; Sequence 71403, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(5333)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 71403  
; LENGTH: 207  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mexicana  
; FEATURES:  
; OTHER INFORMATION: Clone ID: UC-ZMROTEOSINT8119B07\_FLI.pep  
US-10-425-114-71403

Query Match  
Best Local Similarity 81.2%; Score 82; DB 4; Length 207;  
Matches 16; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMAMNIIISKEKEIKWIG 20  
|||||:||||:|||||  
DB 17 NVLMAMDIISKDKKEIQWKG 36

Search completed: March 17, 2006, 20:52:10  
Job time : 64.8276 secs

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GenCore version 5.1.7  
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OM protein - protein search, using SW model

Run on: March 17, 2006, 20:27:26 ; Search time 13.333 Seconds  
(without alignments)  
124.014 Million cell updates/sec

Title: US-09-900-147-4

Perfect score: 101  
Sequence: 1 NVLMAMNISKKEIKWIG 20

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Issued Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5-COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/6-COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/8-COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/PCMS-COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/RB-COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/Backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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1	101	100.0	20	2	US-09-308-935-4
2	101	100.0	30	2	US-09-308-935-6
3	101	100.0	37	2	US-09-308-935-1
4	101	100.0	72	1	US-08-428-131-11
5	101	100.0	72	2	US-09-078-596-11
6	101	100.0	74	2	US-08-894-139-10
7	101	100.0	331	2	US-09-949-016-9220
8	101	100.0	369	1	US-08-723-415B-4
9	101	100.0	369	2	US-09-189-627A-4
10	101	100.0	370	2	US-09-710-861-4
11	101	100.0	370	1	US-08-723-415B-6
12	101	100.0	370	2	US-09-189-627A-6
13	101	100.0	370	2	US-09-710-861-6
14	101	100.0	385	1	US-08-723-415B-8
15	101	100.0	385	2	US-09-189-627A-8
16	101	100.0	385	2	US-09-710-861-8
17	101	100.0	410	1	US-08-723-415B-10
18	101	100.0	410	1	US-08-723-415B-11
19	101	100.0	410	1	US-08-428-131-2
20	101	100.0	410	1	US-08-602-846-2
21	101	100.0	410	2	US-09-078-596-2
22	101	100.0	410	2	US-09-189-627A-10
23	101	100.0	410	2	US-09-189-627A-11
24	101	100.0	410	2	US-09-710-861-10
25	101	100.0	410	2	US-09-710-861-11
26	101	100.0	415	2	US-09-949-016-8808
27	101	100.0	446	1	US-08-723-415B-2

28	101	100.0	446	2	US-09-189-627A-2	Sequence 2, Appli
29	101	100.0	446	2	US-09-710-861-2	Sequence 2, Appli
30	86	85.1	119	2	US-09-640-211A-1157	Sequence 1157, Ap
31	82	81.2	120	2	US-09-640-211A-1056	Sequence 1056, Ap
32	51	50.5	19	2	US-09-308-935-3	Sequence 3, Appli
33	51	50.5	19	2	US-09-308-935-16	Sequence 16, Appli
34	50	49.5	15	2	US-09-308-935-10	Sequence 10, Appli
35	47	46.5	19	2	US-09-308-935-15	Sequence 15, Appli
36	47	46.5	936	2	US-09-248-796A-14843	Sequence 14843, A
37	46	45.5	16	2	US-09-308-935-5	Sequence 5, Appli
38	46	45.5	17	1	US-08-428-131-13	Sequence 13, Appli
39	46	45.5	17	2	US-09-078-596-13	Sequence 13, Appli
40	46	45.5	28	2	US-09-269-576G-22	Sequence 22, Appli
41	46	45.5	28	2	US-09-269-576G-24	Sequence 24, Appli
42	45.5	45.0	74	2	US-08-894-139-6	Sequence 6, Appli
43	45.5	45.0	189	2	US-09-949-016-7562	Sequence 7562, Ap
44	45	44.6	19	2	US-09-308-935-17	Sequence 17, Appli
45	45	44.6	502	2	US-09-198-452A-747	Sequence 747, App

#### ALIGNMENTS

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RESULT 1
US-09-308-935-4
; Sequence 4, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: US/09/308, 935
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-4
Query Match          100.0%; Score 101; DB 2; Length 20;
Best Local Similarity 100.0%; Pred. No. 36-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAMNISKKEIKWIG 20
Db       1 NVLMAMNISKKEIKWIG 20

RESULT 2
US-09-308-935-6
; Sequence 6, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: US/09/308, 935
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18

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; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-6

Query Match          100.0%; Score 101; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 4.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMMNNISKEKEIKWIG 20
DB      5 NVLMMNNISKEKEIKWIG 24

RESULT 3
US-09-308-935-1
; Sequence 1, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: Bandara, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-1

Query Match          100.0%; Score 101; DB 2; Length 37;
Best Local Similarity 100.0%; Pred. No. 5.8e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMMNNISKEKEIKWIG 20
DB      12 NVLMMNNISKEKEIKWIG 31

RESULT 4
US-08-428-131-11
; Sequence 11, Application US/08428131
; Patent No. 5863757
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESSES:
; ADDRESSES: Nixon & Vanderhye
; STREET: 1100 No. 5863757th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: US/08/428,131
; FILING DATE: 23-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Arthur R. Crawford
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-181
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 72 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-428-131-11

Query Match          100.0%; Score 101; DB 1; Length 72;
Best Local Similarity 100.0%; Pred. No. 1.2e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMMNNISKEKEIKWIG 20
DB      15 NVLMMNNISKEKEIKWIG 34

RESULT 5
US-09-078-596-11
; Sequence 11, Application US/09078596
; Patent No. 6150116
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESSES:
; ADDRESSES: Nixon & Vanderhye
; STREET: 1100 No. 6150116th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/078,596
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,131
; FILING DATE: 23-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Arthur R. Crawford
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-181
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 72 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-078-596-11

Query Match          100.0%; Score 101; DB 2; Length 72;
Best Local Similarity 100.0%; Pred. No. 1.2e-08;
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US-09-189-627A-4  
; Sequence 4, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; CURRENT FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
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; ORGANISM: mouse  
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; Sequence 4, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/710,861  
; CURRENT FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/189,627  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
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; ORGANISM: mouse  
US-09-710-861-4  
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Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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US-08-723-415B-6  
; Sequence 6, Application US/08723415B  
; Patent No. 5859199  
; GENERAL INFORMATION:  
; APPLICANT: LaThangue, Nicholas B.  
; APPLICANT: delaluna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS

; TITLE OF INVENTION: THEREOF  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHAYE P.C.  
; STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
; CITY: Arlington  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201-4741  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
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; APPLICATION NUMBER: US/08/723,415B  
; FILING DATE: 30-SEP-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9610195.1  
; FILING DATE: 15-MAY-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Crawford, Arthur R.  
; REGISTRATION NUMBER: 25,327  
; REFERENCE/DOCKET NUMBER: 117-220  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-816-4000  
; TELEFAX: 703-816-4100  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 370 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-723-415B-6  
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Best Local Similarity 100.0%; Pred. No. 7.3e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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US-09-189-627A-6  
; Sequence 6, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; CURRENT FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
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; TYPE: PRT  
; ORGANISM: mouse  
US-09-189-627A-6  
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DB 113 NVLMAMNIISSKEKEIKWIG 132

RESULT 13

US-09-710-861-6

Sequence 6, Application US/09710861

Patent No. 6387649

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas

APPLICANT: de la Luna, Susana

TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF

FILE REFERENCE: 620-54

CURRENT APPLICATION NUMBER: US/09/710,861

CURRENT FILING DATE: 2000-11-13

PRIOR APPLICATION NUMBER: US/09/189,627

PRIOR FILING DATE: 1998-11-10

PRIOR APPLICATION NUMBER: 08/723,415

PRIOR FILING DATE: 1996-09-30

PRIOR APPLICATION NUMBER: GB 9610195

PRIOR FILING DATE: 1996-05-15

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 6

LENGTH: 370

TYPE: PRT

ORGANISM: mouse

US-09-710-861-6

Query Match 100.0%; Score 101; DB 2; Length 370;

Best Local Similarity 100.0%; Pred. No. 7.3e-08;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 113 NVLMAMNIISSKEKEIKWIG 132

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US-08-723-415B-8

Sequence 8, Application US/08723415B

Patent No. 5859199

GENERAL INFORMATION:

APPLICANT: Lathangue, Nicholas B.

APPLICANT: delaluna, Susana

TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF

TITLE OF INVENTION: THEREOF

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESSES:

ADDRESSER: NIXON & VANDERHYTE P.C.

STREET: 1100 No. 5859199th Glebe Rd. 8th floor

CITY: Arlington

STATE: VA

COUNTRY: USA

ZIP: 22201-4741

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/723,415B

FILING DATE: 30-SEP-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9610195.1

FILING DATE: 15-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Crawford, Arthur R.

REGISTRATION NUMBER: 25,327

REFERENCE/DOCKET NUMBER: 117-220

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-816-4000

TELEFAX: 703-816-4100

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 385 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-723-415B-8

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Best Local Similarity 100.0%; Pred. No. 7.6e-08;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 15

US-09-189-627A-8

Sequence 8, Application US/09189627A

Patent No. 6159691

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas

APPLICANT: de la Luna, Susana

TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF

FILE REFERENCE: 620-54

CURRENT APPLICATION NUMBER: US/09/189,627A

CURRENT FILING DATE: 1998-11-10

PRIOR APPLICATION NUMBER: 08/723,415

PRIOR FILING DATE: 1996-09-30

PRIOR APPLICATION NUMBER: GB 9610195

PRIOR FILING DATE: 1996-05-15

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 8

LENGTH: 385

TYPE: PRT

ORGANISM: mouse

US-09-189-627A-8

Query Match 100.0%; Score 101; DB 2; Length 385;

Best Local Similarity 100.0%; Pred. No. 7.6e-08;

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Listing first 1000 summaries

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131	34	37.4	515	7	US-11-207-078-604	Sequence 604, App	204	32.5	35.7	228	7	US-11-096-568A-14609	Sequence 14609, A
132	34	37.4	517	6	US-10-934-944-230	Sequence 230, App	205	32.5	35.7	233	7	US-11-096-568A-14608	Sequence 99, Appl
133	34	37.4	517	7	US-11-116-881A-239	Sequence 239, App	206	32.5	35.7	233	7	US-11-186-284-99	Sequence 99, Appl
134	34	37.4	517	7	US-11-207-078-606	Sequence 606, App	207	32.5	35.7	305	7	US-11-087-099-5438	Sequence 5438, App
135	34	37.4	530	7	US-11-207-078-603	Sequence 603, App	208	32.5	35.7	758	6	US-10-485-517-144	Sequence 144, App
136	34	37.4	538	7	US-11-207-078-602	Sequence 602, App	209	32.5	35.7	879	6	US-10-858-743-10	Sequence 10, Appl
137	34	37.4	564	7	US-11-096-568A-28361	Sequence 28361, A	210	32.5	35.7	3353	7	US-11-037-243-64	Sequence 64, Appl
138	34	37.4	571	7	US-11-087-099-7090	Sequence 8075, Ap	211	32	35.2	18	7	US-11-033-039-1246	Sequence 1246, Ap
139	34	37.4	590	7	US-11-087-099-6075	Sequence 8075, Ap	212	32	35.2	155	7	US-11-096-568A-6346	Sequence 6346, Ap
140	34	37.4	590	7	US-11-096-568A-28360	Sequence 28360, A	213	32	35.2	188	7	US-11-018-868-32	Sequence 32, Appl
141	34	37.4	591	7	US-11-087-099-5735	Sequence 5735, Appl	214	32	35.2	145	7	US-11-087-099-3109	Sequence 3109, Ap
142	34	37.4	614	7	US-11-150-845-34	Sequence 34, Appl	215	32	35.2	214	7	US-11-103-957-78	Sequence 78, Appl
143	34	37.4	614	7	US-11-150-487-34	Sequence 34, Appl	216	32	35.2	226	7	US-11-096-568A-15929	Sequence 15929, A
144	34	37.4	617	7	US-11-150-845-46	Sequence 46, Appl	217	32	35.2	226	7	US-11-096-568A-12087	Sequence 20887, A
145	34	37.4	617	7	US-11-150-487-40	Sequence 40, Appl	218	32	35.2	227	7	US-11-022-562-230	Sequence 230, App
146	34	37.4	640	7	US-11-087-099-4980	Sequence 480, Ap	219	32	35.2	248	7	US-11-052-554A-81	Sequence 81, Appl
147	34	37.4	649	7	US-11-150-845-18	Sequence 18, Appl	220	32	35.2	250	7	US-11-096-568A-15928	Sequence 15928, A
148	34	37.4	649	7	US-11-150-845-52	Sequence 22, Appl	221	32	35.2	252	6	US-10-793-626-2316	Sequence 2316, Ap
149	34	37.4	649	7	US-11-150-487-18	Sequence 18, Appl	222	32	35.2	259	7	US-11-087-099-11217	Sequence 11217, A
150	34	37.4	649	7	US-11-150-487-22	Sequence 22, Appl	223	32	35.2	266	6	US-10-485-517-408	Sequence 408, App
151	34	37.4	666	7	US-11-098-686-11016	Sequence 11016, A	224	32	35.2	270	7	US-11-096-568A-20038	Sequence 20038, A
152	34	37.4	701	7	US-11-096-568A-28359	Sequence 28359, A	225	32	35.2	302	7	US-11-072-512-3163	Sequence 3163, Ap
153	34	37.4	3157	7	US-11-052-554A-144	Sequence 144, App	226	32	35.2	307	7	US-11-000-463-244	Sequence 244, App
154	33.5	36.8	301	7	US-11-087-099-11442	Sequence 11442, A	227	32	35.2	307	7	US-11-096-568A-20886	Sequence 20886, A
155	33.5	36.8	2671	6	US-10-876-787-6	Sequence 6, Appl1	228	32	35.2	308	7	US-11-096-568A-33093	Sequence 33093, A
156	33	36.3	144	7	US-11-096-568A-849	Sequence 849, App	229	32	35.2	309	7	US-11-096-568A-33092	Sequence 33092, A
157	33	36.3	149	6	US-10-467-657-112	Sequence 712, App	230	32	35.2	314	7	US-11-096-568A-33091	Sequence 33091, A
158	33	36.3	152	7	US-11-087-099-4182	Sequence 4182, Ap	231	32	35.2	316	7	US-11-096-568A-20885	Sequence 20885, A
159	33	36.3	162	7	US-11-087-099-6040	Sequence 6040, Ap	232	32	35.2	333	7	US-11-087-099-4294	Sequence 4294, Ap
160	33	36.3	167	7	US-11-096-568A-848	Sequence 848, App	233	32	35.2	337	7	US-11-087-099-3639	Sequence 3639, Ap
161	33	36.3	183	7	US-11-087-099-824	Sequence 824, App	234	32	35.2	349	7	US-11-087-099-2674	Sequence 2674, Ap
162	33	36.3	183	7	US-11-087-099-2657	Sequence 2657, Ap	235	32	35.2	354	7	US-11-096-568A-30561	Sequence 30561, A
163	33	36.3	183	7	US-11-087-099-5325	Sequence 5325, Ap	236	32	35.2	361	7	US-11-087-099-2747	Sequence 2747, Ap
164	33	36.3	183	7	US-11-087-099-5921	Sequence 5921, Ap	237	32	35.2	367	7	US-11-087-099-8524	Sequence 8524, Ap
165	33	36.3	186	6	US-10-467-657-5810	Sequence 5810, Ap	238	32	35.2	378	7	US-11-229-371-42	Sequence 42, Appl
166	33	36.3	266	6	US-10-793-626-1974	Sequence 1974, Ap	239	32	35.2	378	7	US-11-228-923-42	Sequence 88, Appl
167	33	36.3	283	7	US-11-165-067A-21	Sequence 21, Appl	240	32	35.2	378	7	US-11-228-923-88	Sequence 88, Appl
168	33	36.3	284	7	US-11-096-568A-22867	Sequence 22867, A	241	32	35.2	378	7	US-11-228-875-42	Sequence 42, Appl
169	33	36.3	298	7	US-11-156-084-222	Sequence 222, App	242	32	35.2	378	7	US-11-228-875-88	Sequence 88, Appl
170	33	36.3	308	7	US-11-096-568A-22866	Sequence 22866, A	243	32	35.2	394	7	US-11-229-371-94	Sequence 94, Appl
171	33	36.3	310	6	US-10-821-234-1599	Sequence 1599, Ap	244	32	35.2				

245	32	35.2	394	7	US-11-228-923-94	Sequence 94, Appl	318	31	34.1	225	7	US-11-096-568A-25612	Sequence 25612, A
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248	32	35.2	420	7	US-11-229-371-90	Sequence 90, Appl	321	31	34.1	245	7	US-11-072-512-3466	Sequence 3466, Ap
249	32	35.2	420	7	US-11-228-923-90	Sequence 90, Appl	322	31	34.1	250	7	US-11-082-389-210	Sequence 210, Ap
250	32	35.2	420	7	US-11-228-875-90	Sequence 90, Appl	323	31	34.1	260	7	US-11-082-389-212	Sequence 212, App
251	32	35.2	450	7	US-11-087-099-8306	Sequence 8306, Ap	324	31	34.1	260	7	US-11-096-568A-13059	Sequence 13059, A
252	32	35.2	508	7	US-11-087-099-6849	Sequence 8, Appl1	325	31	34.1	263	7	US-11-096-568A-6868	Sequence 6868, Ap
253	32	35.2	509	7	US-11-155-288-8	Sequence 8, Appl1	326	31	34.1	265	7	US-11-146-093-2	Sequence 2, Appl1
254	32	35.2	509	6	US-10-821-234-3373	Sequence 1373, Ap	327	31	34.1	265	7	US-11-087-099-967	Sequence 967, App
255	32	35.2	550	7	US-11-098-686-10474	Sequence 10474, A	328	31	34.1	266	7	US-11-087-099-8501	Sequence 8501, Ap
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257	32	35.2	578	7	US-11-096-568A-33136	Sequence 33136, A	330	31	34.1	276	7	US-11-092-140-9	Sequence 9, Appl1
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259	32	35.2	630	7	US-11-096-568A-33135	Sequence 33135, A	332	31	34.1	313	7	US-11-096-568A-1619	Sequence 1619, A
260	32	35.2	692	7	US-11-052-554A-213	Sequence 213, App	333	31	34.1	313	7	US-11-096-568A-15024	Sequence 15024, A
261	32	35.2	698	7	US-11-096-568A-24181	Sequence 24181, A	334	31	34.1	319	7	US-11-074-176-74	Sequence 74, Appl
262	32	35.2	700	7	US-11-096-568A-24180	Sequence 24180, A	335	31	34.1	319	7	US-11-096-568A-15023	Sequence 15023, A
263	32	35.2	762	7	US-11-096-568A-24179	Sequence 24179, A	336	31	34.1	327	7	US-11-096-568A-15022	Sequence 15022, A
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266	32	35.2	858	7	US-11-096-568A-30989	Sequence 30989, A	339	31	34.1	350	7	US-11-096-568A-28376	Sequence 28376, A
267	32	35.2	913	7	US-11-018-668-164	Sequence 164, App	340	31	34.1	352	7	US-11-087-099-10074	Sequence 10074, A
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269	32	35.2	936	7	US-11-096-568A-30988	Sequence 30988, A	342	31	34.1	355	7	US-11-241-056-10	Sequence 10, Appl
270	32	35.2	956	7	US-11-096-568A-34424	Sequence 34424, A	343	31	34.1	356	7	US-11-087-099-1153	Sequence 1153, Ap
271	32	35.2	978	7	US-11-096-568A-34423	Sequence 34423, A	344	31	34.1	358	7	US-11-087-099-9959	Sequence 9959, Ap
272	32	35.2	995	7	US-11-096-568A-30987	Sequence 30987, A	345	31	34.1	361	7	US-11-129-143-108	Sequence 108, App
273	32	35.2	1020	7	US-11-096-568A-30510	Sequence 30510, A	346	31	34.1	361	7	US-11-096-568A-220	Sequence 220, App
274	32	35.2	1033	7	US-11-096-568A-30509	Sequence 30509, A	347	31	34.1	371	7	US-11-096-568A-28375	Sequence 28375, A
275	32	35.2	1031	7	US-11-072-512-3327	Sequence 2327, Ap	348	31	34.1	373	7	US-11-096-568A-13058	Sequence 13058, A
276	32	35.2	1140	6	US-10-858-730-208	Sequence 208, App	349	31	34.1	376	7	US-11-096-568A-13057	Sequence 13057, A
277	32	35.2	1387	7	US-11-077-386-28	Sequence 28, Appl	350	31	34.1	382	7	US-11-087-099-3182	Sequence 3182, Ap
278	32	35.2	1481	7	US-11-077-386-30	Sequence 30, Appl	351	31	34.1	382	7	US-11-087-099-9117	Sequence 9117, Ap
279	32	35.2	1732	6	US-10-055-877-147	Sequence 147, App	352	31	34.1	382	7	US-11-096-568A-32668	Sequence 32668, A
280	32	35.2	1798	7	US-11-080-991-96	Sequence 96, Appl	353	31	34.1	388	7	US-11-096-568A-6867	Sequence 6867, Ap
281	32	35.2	1960	7	US-11-077-386-29	Sequence 29, Appl	354	31	34.1	398	7	US-11-096-568A-22506	Sequence 22506, A
282	32	35.2	2036	7	US-11-124-368A-276	Sequence 276, App	355	31	34.1	400	7	US-11-096-568A-20474	Sequence 20474, A
283	32	35.2	2036	7	US-11-124-368A-280	Sequence 280, App	356	31	34.1	406	7	US-11-087-099-423	Sequence 423, App
284	32	35.2	2046	7	US-11-124-368A-281	Sequence 281, App	357	31	34.1	426	7	US-11-096-568A-6866	Sequence 6866, Ap
285	32	35.2	2044	7	US-11-124-368A-278	Sequence 278, App	358	31	34.1	429	7	US-11-096-568A-32667	Sequence 32667, A
286	32	35.2	2061	7	US-11-077-386-37	Sequence 27, Appl	359	31	34.1	433	7	US-11-096-568A-7913	Sequence 7913, Ap
287	32	35.2	2061	7	US-11-169-041-179	Sequence 179, App	360	31	34.1	438	7	US-11-096-568A-22505	Sequence 22505, A
288	32	35.2	2144	7	US-11-124-368A-277	Sequence 277, App	361	31	34.1	443	7	US-11-096-568A-7464	Sequence 7464, Ap
289	32	35.2	2376	7	US-11-096-568A-27513	Sequence 27513, A	362	31	34.1	445	6	US-10-467-657-1584	Sequence 1584, Ap
290	32	35.2	2518	7	US-11-096-568A-27512	Sequence 27512, A	363	31	34.1	445	7	US-11-096-568A-20473	Sequence 20473, A
291	32	35.2	2535	7	US-11-096-568A-27511	Sequence 27511, A	364	31	34.1	445	7	US-11-096-568A-22504	Sequence 22504, A
292	32	35.2	4374	7	US-11-128-572-2	Sequence 2, Appl1	365	31	34.1	446	7	US-11-087-099-3804	Sequence 3804, Ap
293	32	35.2	5291	7	US-11-052-554A-281	Sequence 281, App	366	31	34.1	449	7	US-11-087-099-1709	Sequence 1709, Ap
294	31.5	34.6	523	7	US-11-087-099-1873	Sequence 1873, Ap	367	31	34.1	449	7	US-11-087-099-2455	Sequence 2455, Ap
295	31.5	34.6	523	7	US-11-087-099-6809	Sequence 6809, Ap	368	31	34.1	449	7	US-11-087-099-6498	Sequence 6498, Ap
296	31.5	34.6	572	6	US-10-763-712A-11	Sequence 11, Appl	369	31	34.1	449	7	US-11-087-099-10085	Sequence 10085, A
297	31.5	34.6	572	6	US-10-763-712A-109	Sequence 109, App	370	31	34.1	452	7	US-11-087-099-8611	Sequence 8611, Ap
298	31.5	34.6	840	7	US-11-108-172-1102	Sequence 1102, App	371	31	34.1	454	6	US-10-467-657-4918	Sequence 4918, Ap
299	31.5	34.6	858	6	US-10-878-556A-36	Sequence 36, Appl	372	31	34.1	455	6	US-10-467-657-1292	Sequence 1292, App
300	31.5	34.6	883	6	US-10-858-730-207	Sequence 207, App	373	31	34.1	457	7	US-11-096-568A-33258	Sequence 3258, Ap
301	31.5	34.6	1704	7	US-11-072-175-213	Sequence 213, App	374	31	34.1	457	7	US-11-096-568A-7912	Sequence 7912, Ap
302	31	34.1	20	7	US-11-004-399-3232	Sequence 3322, Ap	375	31	34.1	470	7	US-11-229-571-91	Sequence 91, Appl
303	31	34.1	51	7	US-11-000-463-362	Sequence 362, App	376	31	34.1	470	7	US-11-228-923-91	Sequence 91, Appl
304	31	34.1	51	7	US-11-000-463-834	Sequence 834, App	377	31	34.1	470	7	US-11-228-923-91	Sequence 91, Appl
305	31	34.1	63	7	US-11-000-463-825	Sequence 325, App	378	31	34.1	470	7	US-11-096-568A-28374	Sequence 28374, A
306	31	34.1	63	7	US-11-000-463-825	Sequence 797, App	379	31	34.1	486	7	US-11-096-568A-32666	Sequence 32666, A
307	31	34.1	95	7	US-11-129-741-3569	Sequence 3569, App	380	31	34.1	486	7	US-11-063-243-31	Sequence 31, Appl
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309	31	34.1	153	7	US-11-096-568A-25613	Sequence 25613, A	382	31	34.1	486	7	US-11-096-568A-32666	Sequence 32666, A
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312	31	34.1	164	6	US-10-793-626-3040	Sequence 3040, Ap	385	31	34.1	486	7	US-11-096-568A-32666	Sequence 32666, A
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314	31	34.1	204	6	US-10-902-137-2	Sequence 2, Appl1	387	31	34.1	522	7	US-11-166-609-22	Sequence 22, Appl
315	31	34.1	207	7	US-11-129-104-98	Sequence 98, Appl1	388	31	34.1	538	7	US-11-166-609-21	Sequence 21, Appl
316	31	34.1	211	6	US-10-467-657-2142	Sequence 2142, Ap	389	31	34.1	541	7	US-11-096-568A-33125	Sequence 33125, A
317	31	34.1	221	7	US-11-096-568A-4776	Sequence 4776, Ap	390	31	34.1	543	7	US-11-096-568A-33124	Sequence 33124, A

391	31	34.1	544	7	US-11-166-609-18	Sequence 18, Appl	464	30	33.0	140	7	US-11-096-568A-11941	Sequence 11941, A
392	31	34.1	545	7	US-11-096-568A-7463	Sequence 7463, Ap	465	30	33.0	143	7	US-11-156-084-89	Sequence 89, Appl
393	31	34.1	546	7	US-11-166-609-2	Sequence 2, Appl1	466	30	33.0	144	7	US-11-143-943A-3	Sequence 3, Appl1
394	31	34.1	548	7	US-11-114-906-14	Sequence 14, Appl	467	30	33.0	147	7	US-11-143-947A-3	Sequence 3, Appl1
395	31	34.1	561	7	US-11-096-568A-7462	Sequence 7462, Ap	468	30	33.0	144	7	US-11-055-822-466	Sequence 466, Appl
396	31	34.1	562	7	US-11-201-916-24	Sequence 24, Appl	469	30	33.0	158	7	US-11-096-568A-19080	Sequence 19080, A
397	31	34.1	610	7	US-11-096-568A-33123	Sequence 33123, A	470	30	33.0	160	7	US-11-009-658-24	Sequence 24, Appl
398	31	34.1	648	7	US-11-114-906-12	Sequence 12, Appl	471	30	33.0	167	6	US-10-467-657-6910	Sequence 6910, Ap
399	31	34.1	654	7	US-11-114-906-10	Sequence 10, Appl	472	30	33.0	172	7	US-11-156-084-113	Sequence 113, App
400	31	34.1	713	6	US-10-467-657-1012	Sequence 1012, Ap	473	30	33.0	175	7	US-11-096-568A-19079	Sequence 19079, A
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402	31	34.1	713	7	US-11-190-799-4	Sequence 4, Appl1	475	30	33.0	178	7	US-11-096-568A-3521	Sequence 3521, Ap
403	31	34.1	713	7	US-11-103-957-97	Sequence 97, Appl	476	30	33.0	179	6	US-10-467-657-7772	Sequence 7772, Ap
404	31	34.1	751	7	US-11-114-906-8	Sequence 8, Appl1	477	30	33.0	180	7	US-11-098-686-10905	Sequence 10905, A
405	31	34.1	754	7	US-11-114-906-6	Sequence 6, Appl1	478	30	33.0	180	7	US-11-143-943A-2	Sequence 2, Appl1
406	31	34.1	776	7	US-11-114-906-24	Sequence 24, Appl	479	30	33.0	180	7	US-11-143-947A-2	Sequence 2, Appl1
407	31	34.1	783	7	US-11-087-099-6000	Sequence 6000, Ap	480	30	33.0	182	7	US-11-096-568A-11381	Sequence 11381, A
408	31	34.1	789	7	US-11-114-906-22	Sequence 22, Appl	481	30	33.0	183	6	US-10-793-626-1330	Sequence 1330, Ap
409	31	34.1	831	7	US-11-098-686-10875	Sequence 10875, A	482	30	33.0	184	7	US-11-096-568A-21356	Sequence 21356, A
410	31	34.1	838	7	US-11-114-906-40	Sequence 40, Appl	483	30	33.0	187	7	US-11-096-568A-931	Sequence 931, App
411	31	34.1	841	7	US-11-098-686-10188	Sequence 10188, A	484	30	33.0	192	7	US-11-096-568A-17129	Sequence 17129, A
412	31	34.1	851	7	US-11-114-906-38	Sequence 38, Appl	485	30	33.0	195	7	US-11-096-568A-10308	Sequence 10308, A
413	31	34.1	863	7	US-11-114-906-32	Sequence 32, Appl	486	30	33.0	198	7	US-11-096-568A-25699	Sequence 25699, A
414	31	34.1	864	7	US-11-114-906-4	Sequence 4, Appl1	487	30	33.0	199	7	US-11-096-568A-14298	Sequence 14298, A
415	31	34.1	870	7	US-11-114-906-2	Sequence 2, Appl1	488	30	33.0	200	7	US-11-096-568A-21355	Sequence 21355, A
416	31	34.1	871	6	US-10-467-657-4588	Sequence 4588, Ap	489	30	33.0	202	7	US-11-096-568A-11380	Sequence 11380, A
417	31	34.1	871	6	US-10-467-657-1182	Sequence 1182, Ap	490	30	33.0	216	7	US-11-096-568A-5121	Sequence 5121, Ap
418	31	34.1	876	7	US-11-114-906-30	Sequence 30, Appl	491	30	33.0	219	6	US-10-793-626-2206	Sequence 2206, Ap
419	31	34.1	889	7	US-11-114-906-20	Sequence 20, Appl	492	30	33.0	219	7	US-11-096-568A-14650	Sequence 14650, A
420	31	34.1	895	7	US-11-114-906-18	Sequence 18, Appl	493	30	33.0	225	7	US-11-096-568A-25698	Sequence 25698, A
421	31	34.1	905	7	US-11-087-099-433	Sequence 43, App	494	30	33.0	225	6	US-10-485-517-143	Sequence 143, App
422	31	34.1	945	7	US-11-019-711-121	Sequence 121, App	495	30	33.0	225	7	US-11-252-663-6	Sequence 6, Appl1
423	31	34.1	951	7	US-11-114-906-36	Sequence 36, Appl	496	30	33.0	235	7	US-11-096-568A-9310	Sequence 930, App
424	31	34.1	957	7	US-11-114-906-34	Sequence 34, Appl	497	30	33.0	237	7	US-11-096-568A-55120	Sequence 5120, App
425	31	34.1	976	7	US-11-114-906-28	Sequence 28, Appl	498	30	33.0	244	7	US-11-096-568A-24795	Sequence 24795, A
426	31	34.1	982	7	US-11-114-906-46	Sequence 28, Appl	499	30	33.0	249	7	US-11-072-512-2332	Sequence 2332, Ap
427	31	34.1	989	7	US-11-096-568A-29282	Sequence 29282, A	500	30	33.0	257	7	US-11-096-568A-25325	Sequence 25325, A
428	31	34.1	1063	7	US-11-096-568A-29281	Sequence 29281, A	501	30	33.0	251	7	US-11-096-568A-929	Sequence 929, App
429	31	34.1	1076	6	US-10-902-137-6	Sequence 6, Appl1	502	30	33.0	261	7	US-11-096-568A-22675	Sequence 22675, A
430	31	34.1	1110	6	US-10-902-137-4	Sequence 4, Appl1	503	30	33.0	259	6	US-10-467-657-8478	Sequence 8478, Ap
431	31	34.1	1114	6	US-10-858-730-12	Sequence 12, Appl	504	30	33.0	262	7	US-11-096-568A-6879	Sequence 6879, Ap
432	31	34.1	1134	7	US-11-043-889-54	Sequence 3, Appl	505	30	33.0	263	7	US-11-096-568A-22674	Sequence 22674, A
433	31	34.1	1138	7	US-11-049-536-2	Sequence 2, Appl1	506	30	33.0	265	7	US-11-098-686-10694	Sequence 10694, A
434	31	34.1	1151	6	US-10-793-626-2448	Sequence 2448, Ap	507	30	33.0	277	7	US-11-096-568A-25324	Sequence 25324, A
435	31	34.1	1170	6	US-10-858-730-71	Sequence 71, Appl	508	30	33.0	272	7	US-11-087-099-10690	Sequence 10690, A
436	31	34.1	1184	7	US-11-096-568A-29280	Sequence 29280, A	509	30	33.0	277	7	US-11-096-568A-18044	Sequence 18044, A
437	31	34.1	1187	7	US-11-043-889-46	Sequence 46, Appl	510	30	33.0	268	6	US-10-203-486-7	Sequence 7, Appl1
438	31	34.1	1192	6	US-10-858-730-72	Sequence 72, Appl	511	30	33.0	282	7	US-11-096-568A-27765	Sequence 27765, A
439	31	34.1	1360	7	US-11-241-056-14	Sequence 14, Appl	512	30	33.0	288	7	US-11-096-568A-22673	Sequence 22673, A
440	31	34.1	1385	6	US-10-501-035-351	Sequence 351, App	513	30	33.0	302	7	US-11-096-568A-17128	Sequence 17128, A
441	31	34.1	1552	7	US-11-108-459-2	Sequence 2, Appl1	514	30	33.0	302	7	US-11-096-568A-25545	Sequence 25545, A
442	31	34.1	1558	6	US-10-329-358-14	Sequence 14, Appl	515	30	33.0	306	7	US-11-096-568A-21726	Sequence 21726, A
443	31	34.1	1597	7	US-11-210-471-13	Sequence 13, Appl	516	30	33.0	306	7	US-11-102-497-13	Sequence 13, Appl
444	31	34.1	1607	7	US-11-108-459-4	Sequence 4, Appl1	517	30	33.0	307	7	US-11-096-568A-11379	Sequence 11379, A
445	31	34.1	2145	7	US-11-087-099-10331	Sequence 10331, A	518	30	33.0	308	7	US-11-087-099-2951	Sequence 2951, Ap
446	31	34.1	3132	7	US-11-087-099-1245	Sequence 1245, Ap	519	30	33.0	318	7	US-11-096-568A-25544	Sequence 25544, A
447	31	34.1	3375	7	US-11-044-111-23	Sequence 23, Appl	520	30	33.0	318	7	US-11-096-568A-6878	Sequence 6878, Ap
448	31	34.1	4386	7	US-11-004-399-71	Sequence 71, App	521	30	33.0	325	7	US-11-054-281-119	Sequence 119, App
449	30.5	33.5	4386	6	US-10-467-657-2646	Sequence 2646, Ap	522	30	33.0	325	6	US-10-873-528-141	Sequence 141, App
450	30.5	33.5	643	7	US-11-096-568A-32104	Sequence 32104, A	523	30	33.0	335	7	US-11-096-568A-21725	Sequence 21725, A
451	30.5	33.5	783	7	US-11-096-568A-32103	Sequence 32103, A	524	30	33.0	339	7	US-11-087-099-4419	Sequence 4419, Ap
452	30.5	33.5	801	7	US-11-096-568A-32102	Sequence 32102, A	525	30	33.0	334	6	US-10-858-730-114	Sequence 114, App
453	30.5	33.5	943	7	US-11-103-957-99	Sequence 99, Appl	526	30	33.0	334	7	US-11-098-686-10496	Sequence 10496, A
454	30.5	33.5	1981	6	US-10-374-954-23	Sequence 23, Appl	527	30	33.0	334	7	US-11-096-568A-18043	Sequence 18043, A
455	30.5	33.5	1998	6	US-10-374-954-21	Sequence 21, Appl	528	30	33.0	341	7	US-11-096-568A-27764	Sequence 27764, A
456	30.5	33.5	2009	6	US-10-374-954-2	Sequence 2, Appl1	529	30	33.0	345	7	US-11-096-568A-21724	Sequence 21724, A
457	30	33.0	58	6	US-10-895-064-2684	Sequence 2684, Ap	530	30	33.0	345	7	US-11-098-686-1181	Sequence 1181, A
458	30	33.0	88	6	US-11-129-741-2684	Sequence 2684, Ap	531	30	33.0	347	6	US-11-096-568A-25543	Sequence 25543, A
459	30	33.0	88	6	US-10-485-788A-819	Sequence 819, App	532	30	33.0	347	6	US-10-793-626-462	Sequence 462, App
460	30	33.0	88	6	US-11-053-076-204	Sequence 204, App	533	30	33.0	349	7	US-10-793-626-1268	Sequence 1268, App
461	30	33.0	111	7	US-11-096-568A-19081	Sequence 19081, A	534	30	33.0	349	7	US-11-098-686-10281	Sequence 10281, A
462	30	33.0	114	7	US-11-072-512-5659	Sequence 2659, Ap	535	30	33.0	352	7	US-11-087-099-3715	Sequence 3715, A
463	30	33.0	132	7	US-11-087-099-5566	Sequence 5566, Ap	536	30	33.0	353	7	US-11-096-568A-27271	Sequence 27271, A



537	30	33.0	357	7	US-11-096-568A-27270	Sequence 27270, A	610	30	33.0	641	7	US-11-096-568A-28353	Sequence 28353, A
538	30	33.0	364	7	US-11-096-568A-6877	Sequence 6877, Ap	611	30	33.0	684	7	US-11-096-568A-27647	Sequence 27647, A
539	30	33.0	367	7	US-11-096-568A-34460	Sequence 34460, A	612	30	33.0	686	7	US-11-096-568A-27466	Sequence 27466, A
540	30	33.0	370	7	US-11-096-568A-18824	Sequence 18824, A	613	30	33.0	692	7	US-11-096-568A-28745	Sequence 28745, A
541	30	33.0	374	7	US-11-009-658A-58	Sequence 58, Appl	614	30	33.0	739	6	US-10-661-966-20	Sequence 20, Appl
542	30	33.0	376	7	US-11-109-157A-12	Sequence 12, Appl	615	30	33.0	750	7	US-11-096-568A-34290	Sequence 34290, A
543	30	33.0	378	7	US-11-096-568A-8228	Sequence 8228, Ap	616	30	33.0	763	7	US-11-096-568A-28744	Sequence 28744, A
544	30	33.0	379	7	US-11-096-568A-34459	Sequence 34459, A	617	30	33.0	779	7	US-11-096-568A-32062	Sequence 32062, A
545	30	33.0	382	7	US-11-087-099-9588	Sequence 9588, Ap	618	30	33.0	795	6	US-10-532-153-12	Sequence 12, Appl
546	30	33.0	384	7	US-11-098-686-10752	Sequence 10752, A	619	30	33.0	799	6	US-10-532-153-21	Sequence 21, Appl
547	30	33.0	387	7	US-11-098-686-11142	Sequence 11142, A	620	30	33.0	797	7	US-11-096-568A-34289	Sequence 34289, A
548	30	33.0	394	7	US-11-087-099-1850	Sequence 1850, Ap	621	30	33.0	814	7	US-11-096-568A-28352	Sequence 28352, A
549	30	33.0	398	7	US-11-087-099-5349	Sequence 5349, Ap	622	30	33.0	816	7	US-11-096-568A-28351	Sequence 28351, A
550	30	33.0	400	7	US-11-229-371-2	Sequence 2, Appl1	623	30	33.0	831	7	US-11-096-568A-34288	Sequence 34288, A
551	30	33.0	400	7	US-11-228-923-2	Sequence 2, Appl1	624	30	33.0	845	7	US-11-096-568A-28842	Sequence 28842, A
552	30	33.0	400	7	US-11-228-875-2	Sequence 2, Appl1	625	30	33.0	855	6	US-10-909-769-30	Sequence 30, Appl
553	30	33.0	408	7	US-11-087-099-10788	Sequence 10788, A	626	30	33.0	871	7	US-11-109-157A-10	Sequence 10, Appl
554	30	33.0	409	7	US-11-055-822-290	Sequence 290, Ap	627	30	33.0	897	6	US-10-336-263A-58	Sequence 58, Appl
555	30	33.0	410	7	US-11-096-568A-18823	Sequence 18823, A	628	30	33.0	897	7	US-11-096-568A-28841	Sequence 28841, A
556	30	33.0	413	7	US-11-096-568A-8227	Sequence 8227, Ap	629	30	33.0	912	7	US-11-096-568A-28840	Sequence 28840, A
557	30	33.0	414	7	US-11-096-568A-34458	Sequence 34458, A	630	30	33.0	916	7	US-11-096-568A-32061	Sequence 32061, A
558	30	33.0	419	6	US-10-330-773-746	Sequence 746, App	631	30	33.0	926	6	US-10-841-129-2	Sequence 2, Appl1
559	30	33.0	419	6	US-11-087-099-10606	Sequence 10606, A	632	30	33.0	939	7	US-11-096-568A-32060	Sequence 32060, A
560	30	33.0	424	7	US-11-096-568A-26440	Sequence 26440, A	633	30	33.0	1059	6	US-10-336-263A-54	Sequence 54, Appl
561	30	33.0	430	7	US-11-087-099-6449	Sequence 6449, Ap	634	30	33.0	1059	6	US-10-336-263A-56	Sequence 56, Appl
562	30	33.0	434	7	US-11-096-568A-27269	Sequence 27269, A	635	30	33.0	1072	7	US-11-096-568A-27848	Sequence 27848, A
563	30	33.0	448	7	US-11-087-099-3085	Sequence 3085, Ap	636	30	33.0	1103	7	US-11-109-157A-9	Sequence 9, Appl1
564	30	33.0	448	7	US-11-096-568A-8226	Sequence 8226, Ap	637	30	33.0	1181	7	US-11-096-568A-27847	Sequence 27847, A
565	30	33.0	450	7	US-11-087-099-4313	Sequence 4313, Ap	638	30	33.0	1189	7	US-11-096-568A-27846	Sequence 27846, A
566	30	33.0	452	7	US-11-096-568A-27763	Sequence 27763, A	639	30	33.0	1206	6	US-10-858-730-73	Sequence 73, Appl
567	30	33.0	457	7	US-11-087-099-9561	Sequence 9561, Ap	640	30	33.0	1340	7	US-11-070-575-6	Sequence 6, Appl1
568	30	33.0	472	7	US-11-208-308-2	Sequence 2, Appl1	641	30	33.0	1344	7	US-11-091-643-20	Sequence 20, Appl
569	30	33.0	474	7	US-11-096-568A-20335	Sequence 20335, A	642	30	33.0	1451	7	US-11-046-346-1	Sequence 1, Appl1
570	30	33.0	482	7	US-11-229-371-87	Sequence 87, Appl	643	30	33.0	1643	7	US-11-052-554A-172	Sequence 172, Appl
571	30	33.0	482	7	US-11-229-371-177	Sequence 177, Appl	644	30	33.0	1890	7	US-11-033-039-314	Sequence 314, Appl
572	30	33.0	482	7	US-11-228-923-87	Sequence 87, Appl	645	30	33.0	2080	7	US-11-124-367A-363	Sequence 363, Appl
573	30	33.0	482	7	US-11-228-923-177	Sequence 177, Appl	646	30	33.0	2542	7	US-11-124-367A-364	Sequence 364, Appl
574	30	33.0	482	7	US-11-228-875-87	Sequence 87, Appl	647	29.5	32.4	115	6	US-10-467-657-5296	Sequence 5296, Ap
575	30	33.0	482	7	US-11-228-875-177	Sequence 177, Appl	648	29.5	32.4	186	7	US-11-096-568A-1431	Sequence 1431, Ap
576	30	33.0	483	7	US-11-024-959-494	Sequence 494, App	649	29.5	32.4	322	7	US-11-096-568A-3061	Sequence 3061, Ap
577	30	33.0	484	7	US-11-096-568A-20334	Sequence 20334, A	650	29.5	32.4	351	7	US-11-096-568A-31831	Sequence 31831, A
578	30	33.0	486	7	US-11-087-099-3159	Sequence 3159, Ap	651	29.5	32.4	357	7	US-11-087-099-11937	Sequence 11937, A
579	30	33.0	490	7	US-11-087-099-9461	Sequence 9461, Ap	652	29.5	32.4	363	6	US-10-995-561-541	Sequence 541, Appl
580	30	33.0	491	7	US-11-087-099-6597	Sequence 6597, Ap	653	29.5	32.4	367	7	US-11-096-568A-3060	Sequence 3060, Ap
581	30	33.0	503	7	US-11-096-568A-26439	Sequence 26439, A	654	29.5	32.4	372	7	US-11-096-568A-3059	Sequence 3059, Appl
582	30	33.0	511	7	US-11-135-667-35	Sequence 35, Appl	655	29.5	32.4	372	7	US-11-096-568A-3062	Sequence 3062, Ap
583	30	33.0	513	7	US-11-135-667-54	Sequence 54, Appl	656	29.5	32.4	375	6	US-10-995-561-540	Sequence 540, Appl
584	30	33.0	528	7	US-11-096-568A-26438	Sequence 26438, A	657	29.5	32.4	395	7	US-11-096-568A-31830	Sequence 31830, A
585	30	33.0	530	6	US-10-330-773-749	Sequence 749, App	658	29.5	32.4	400	7	US-11-096-568A-31829	Sequence 31829, A
586	30	33.0	531	7	US-11-087-099-7853	Sequence 7853, Ap	659	29.5	32.4	450	6	US-10-618-320A-26	Sequence 26, Appl
587	30	33.0	533	6	US-10-467-657-2868	Sequence 2868, Ap	660	29.5	32.4	457	7	US-11-087-099-1111	Sequence 1111, Ap
588	30	33.0	533	6	US-11-230-995-3	Sequence 3, Appl1	661	29.5	32.4	503	7	US-11-087-099-9776	Sequence 9776, Ap
589	30	33.0	535	7	US-11-096-568A-26881	Sequence 26881, A	662	29.5	32.4	507	7	US-11-072-512-1622	Sequence 1622, Appl
590	30	33.0	536	6	US-10-821-231C-1	Sequence 1, Appl1	663	29.5	32.4	870	7	US-11-031-206-188	Sequence 188, Appl
591	30	33.0	557	7	US-11-096-568A-1828	Sequence 1828, Ap	664	29.5	32.4	5024	6	US-10-793-626-2964	Sequence 2964, Ap
592	30	33.0	558	7	US-11-096-568A-26137	Sequence 26137, A	665	29	31.9	64	7	US-11-000-463-259	Sequence 259, Appl
593	30	33.0	559	7	US-11-096-568A-26136	Sequence 26136, A	666	29	31.9	64	7	US-11-000-463-731	Sequence 731, Appl
594	30	33.0	574	7	US-11-096-568A-26135	Sequence 26135, A	667	29	31.9	76	6	US-10-895-064-2633	Sequence 2633, Ap
595	30	33.0	587	7	US-11-096-568A-1827	Sequence 1827, Ap	668	29	31.9	76	7	US-11-129-741-2633	Sequence 2633, Ap
596	30	33.0	591	6	US-10-770-726-71	Sequence 71, Appl	669	29	31.9	83	7	US-11-096-568A-27339	Sequence 27339, A
597	30	33.0	592	7	US-11-096-568A-1826	Sequence 1826, Ap	670	29	31.9	85	7	US-11-096-568A-27338	Sequence 27338, A
598	30	33.0	599	7	US-11-072-512-2306	Sequence 2306, Ap	671	29	31.9	88	6	US-10-485-517-303	Sequence 303, Appl
599	30	33.0	608	7	US-11-109-157A-11	Sequence 11, Appl	672	29	31.9	118	7	US-11-087-099-1960	Sequence 1960, Appl
600	30	33.0	615	7	US-11-172-145-6	Sequence 6, Appl1	673	29	31.9	132	7	US-11-087-099-1002	Sequence 1002, Ap
601	30	33.0	617	7	US-11-172-145-8	Sequence 8, Appl1	674	29	31.9	138	7	US-11-096-568A-27337	Sequence 27337, A
602	30	33.0	619	7	US-11-109-157A-42	Sequence 42, Appl1	675	29	31.9	146	7	US-11-087-099-1833	Sequence 1833, Ap
603	30	33.0	621	6	US-10-632-150-28	Sequence 28, Appl	676	29	31.9	149	6	US-10-467-657-8827	Sequence 8827, Ap
604	30	33.0	621	7	US-11-073-460-28	Sequence 28, Appl	677	29	31.9	167	7	US-11-186-448-17	Sequence 17, Appl
605	30	33.0	621	7	US-11-073-460-28	Sequence 28, Appl	678	29	31.9	175	7	US-11-096-568A-9068	Sequence 9068, Ap
606	30	33.0	628	7	US-11-096-568A-26880	Sequence 26880, A	679	29	31.9	175	7	US-11-096-568A-9071	Sequence 9071, Ap
607	30	33.0	630	7	US-11-087-099-4053	Sequence 4053, Ap	680	29	31.9	178	6	US-10-821-234-1052	Sequence 1052, Ap
608	30	33.0	633	7	US-11-096-568A-28746	Sequence 28746, A	681	29	31.9	181	5	US-09-995-493-38	Sequence 38, Appl
609	30	33.0	639	7	US-11-096-568A-26879	Sequence 26879, A	682	29	31.9	186	7	US-11-096-568A-31766	Sequence 31766, A

683	29	31.9	155	7	US-11-096-568A-9509	Sequence 9509, Ap	756	29	31.9	386	6	US-10-055-877-158	Sequence 158, App
684	29	31.9	220	7	US-11-096-568A-9508	Sequence 9508, Ap	757	29	31.9	402	7	US-11-087-099-10924	Sequence 10924, A
685	29	31.9	224	7	US-11-098-686-10609	Sequence 10609, A	758	29	31.9	409	7	US-11-000-463-449	Sequence 449, App
686	29	31.9	231	7	US-11-096-568A-16646	Sequence 16646, A	759	29	31.9	404	7	US-11-052-554A-332	Sequence 332, App
687	29	31.9	233	7	US-11-096-568A-16645	Sequence 16645, A	760	29	31.9	404	7	US-11-096-568A-33407	Sequence 33407, A
688	29	31.9	233	7	US-11-096-568A-20233	Sequence 20233, A	761	29	31.9	412	6	US-10-793-626-3156	Sequence 3156, Ap
689	29	31.9	240	7	US-11-098-686-11433	Sequence 11433, A	762	29	31.9	411	6	US-10-979-821-8	Sequence 8, App11
690	29	31.9	251	6	US-10-467-657-440	Sequence 440, App	763	29	31.9	412	7	US-11-114-922-8	Sequence 8, App11
691	29	31.9	252	7	US-11-087-099-537	Sequence 537, App	764	29	31.9	414	7	US-11-229-371-45	Sequence 45, App1
692	29	31.9	252	7	US-11-096-568A-8231	Sequence 8231, App	765	29	31.9	414	7	US-11-229-371-81	Sequence 89, App1
693	29	31.9	256	6	US-10-467-657-3448	Sequence 3448, Ap	766	29	31.9	414	7	US-11-228-923-45	Sequence 45, App1
694	29	31.9	257	6	US-10-467-657-5118	Sequence 5118, Ap	767	29	31.9	414	7	US-11-228-923-89	Sequence 89, App1
695	29	31.9	259	7	US-11-096-568A-8230	Sequence 8230, Ap	768	29	31.9	414	7	US-11-228-875-45	Sequence 45, App1
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697	29	31.9	260	7	US-11-096-568A-22533	Sequence 22533, A	770	29	31.9	415	7	US-11-096-568A-23357	Sequence 23357, A
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705	29	31.9	276	6	US-10-524-972-82	Sequence 82, App1	778	29	31.9	420	7	US-11-124-367A-470	Sequence 420, App
706	29	31.9	284	6	US-10-131-826A-118	Sequence 118, App	779	29	31.9	422	7	US-11-072-512-3639	Sequence 3629, App
707	29	31.9	284	6	US-10-973-115B-118	Sequence 118, App	780	29	31.9	425	7	US-11-096-568A-10953	Sequence 10953, A
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713	29	31.9	303	7	US-11-087-099-3136	Sequence 3136, Ap	786	29	31.9	432	7	US-11-096-568A-3181	Sequence 3181, Ap
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718	29	31.9	319	7	US-11-055-822-876	Sequence 876, App	791	29	31.9	443	7	US-11-096-568A-17837	Sequence 17837, A
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720	29	31.9	319	6	US-10-524-972-4	Sequence 4, App11	793	29	31.9	444	6	US-10-821-234-1476	Sequence 1476, Ap
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726	29	31.9	335	7	US-11-096-568A-31764	Sequence 31764, A	799	29	31.9	447	7	US-11-087-099-11869	Sequence 11869, A
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739	29	31.9	352	7	US-11-127-877-59	Sequence 59, App1	812	29	31.9	470	7	US-11-114-922-14	Sequence 14, App1
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833	29	31.9	509	7	US-11-077-619-88	Sequence 88, Appl1	906	29	31.9	829	6	US-10-909-769-26	Sequence 26, Appl1
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836	29	31.9	518	6	US-10-934-944-172	Sequence 172, App	909	29	31.9	840	7	US-11-120-308-134	Sequence 134, App
837	29	31.9	518	6	US-10-934-944-190	Sequence 190, App	910	29	31.9	858	7	US-11-165-819-5	Sequence 5, Appl1
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843	29	31.9	522	7	US-11-096-568A-10309	Sequence 10309, A	916	29	31.9	924	6	US-10-858-730-8	Sequence 8, Appl1
844	29	31.9	530	6	US-10-493-909-85	Sequence 85, Appl1	917	29	31.9	963	7	US-11-096-568A-27678	Sequence 27678, A
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859	29	31.9	574	6	US-10-770-726-50	Sequence 50, Appl1	932	29	31.9	1342	7	US-11-115-639-4	Sequence 4, Appl1
860	29	31.9	575	6	US-11-094-917-35	Sequence 35, Appl1	933	29	31.9	1342	7	US-11-115-639-5	Sequence 5, Appl1
861	29	31.9	576	7	US-11-201-916-32	Sequence 32, Appl1	934	29	31.9	1342	7	US-11-115-639-6	Sequence 6, Appl1
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865	29	31.9	580	7	US-11-087-099-1375	Sequence 1375, App	938	29	31.9	1635	7	US-11-096-568A-30743	Sequence 171, App
866	29	31.9	592	6	US-10-467-9628-95	Sequence 95, Appl1	939	29	31.9	2340	7	US-11-052-554A-171	Sequence 42, Appl1
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868	29	31.9	592	6	US-10-524-972-100	Sequence 100, App	941	29	31.9	2456	7	US-11-186-999-8	Sequence 9, Appl1
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871	29	31.9	615	7	US-11-232-405A-32	Sequence 32, Appl1	944	29	31.9	2710	7	US-11-051-453-41	Sequence 41, Appl1
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873	29	31.9	633	7	US-11-087-099-10840	Sequence 10840, A	946	28.5	31.3	158	7	US-11-087-099-9435	Sequence 23239, App
874	29	31.9	644	7	US-11-087-099-9562	Sequence 9562, App	947	28.5	31.3	212	7	US-11-096-568A-23239	Sequence 23239, App
875	29	31.9	651	7	US-11-194-246-342	Sequence 342, App	948	28.5	31.3	213	7	US-11-096-568A-12287	Sequence 12287, A
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877	29	31.9	680	7	US-11-096-568A-29049	Sequence 29049, A	950	28.5	31.3	253	7	US-11-096-568A-33003	Sequence 32003, A
878	29	31.9	688	7	US-11-087-099-2258	Sequence 2258, App	951	28.5	31.3	275	7	US-11-096-568A-5654	Sequence 5654, App
879	29	31.9	688	7	US-11-087-099-5449	Sequence 5449, App	952	28.5	31.3	277	7	US-11-096-568A-23238	Sequence 23238, A
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882	29	31.9	701	7	US-11-055-822-1066	Sequence 1066, App	955	28.5	31.3	283	7	US-11-096-568A-12285	Sequence 5653, App
883	29	31.9	701	7	US-11-096-568A-30506	Sequence 30506, A	956	28.5	31.3	318	7	US-11-096-568A-15285	Sequence 15285, App
884	29	31.9	715	7	US-11-087-099-808	Sequence 808, App	957	28.5	31.3	336	7	US-11-096-568A-5652	Sequence 5652, App
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891	29	31.9	756	7	US-11-096-568A-27530	Sequence 27530, A	964	28.5	31.3	440	6	US-10-877-146-76	Sequence 76, Appl1
892	29	31.9	756	7	US-11-096-568A-28625	Sequence 28625, A	965	28.5	31.3	446	7	US-11-096-568A-32001	Sequence 32001, A
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894	29	31.9	764	7	US-11-096-568A-28443	Sequence 28443, A	967	28.5	31.3	475	7	US-11-010-239-85	Sequence 85, Appl1
895	29	31.9	778	7	US-11-096-568A-27680	Sequence 27680, A	968	28.5	31.3	558	7	US-11-201-916-28	Sequence 28, Appl1
896	29	31.9	789	7	US-11-096-568A-28442	Sequence 28442, A	969	28.5	31.3	668	7	US-11-052-554A-104	Sequence 104, Appl1
897	29	31.9	793	6	US-10-793-626-1493	Sequence 1492, App	970	28.5	31.3	687	6	US-10-055-877-203	Sequence 203, App
898	29	31.9	793	7	US-11-096-568A-28422	Sequence 28422, App	971	28.5	31.3	858	6	US-10-613-744-6	Sequence 6, Appl1
899	29	31.9	794	7	US-11-096-568A-28441	Sequence 28441, A	972	28.5	31.3	2644	6	US-10-770-726-45	Sequence 45, Appl1
900	29	31.9	795	6	US-10-821-234-1675	Sequence 1675, App	973	28	30.8	9	7	US-11-041-893-102	Sequence 102, App
901	29	31.9	798	7	US-11-096-568A-28321	Sequence 28321, A	974	28	30.8	9	7	US-11-041-893-148	Sequence 148, App

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975 28 30.8 30 6 US-10-467-657-1934 Sequence 1934, Ap
976 28 30.8 44 7 US-11-096-568A-5421 Sequence 5421, Ap
977 28 30.8 46 6 US-10-895-064-558 Sequence 558, App
978 28 30.8 46 7 US-11-129-741-558 Sequence 558, App
979 28 30.8 59 7 US-11-004-399-2843 Sequence 2843, Ap
980 28 30.8 64 7 US-11-004-399-919 Sequence 919, App
981 28 30.8 71 7 US-11-087-099-5091 Sequence 5091, Ap
982 28 30.8 88 7 US-11-096-568A-6465 Sequence 6465, Ap
983 28 30.8 102 7 US-11-096-568A-4290 Sequence 4290, Ap
984 28 30.8 107 7 US-11-096-568A-4289 Sequence 4289, Ap
985 28 30.8 110 6 US-10-467-657-3990 Sequence 3990, Ap
986 28 30.8 120 7 US-11-096-568A-25320 Sequence 25320, A
987 28 30.8 129 7 US-11-072-512-2145 Sequence 2145, Ap
988 28 30.8 132 6 US-10-995-561-966 Sequence 966, App
989 28 30.8 136 7 US-11-098-686-71 Sequence 71, App1
990 28 30.8 144 7 US-11-194-246-420 Sequence 420, App
991 28 30.8 146 7 US-11-096-568A-30487 Sequence 30487, A
992 28 30.8 149 6 US-10-793-626-594 Sequence 594, App
993 28 30.8 154 7 US-11-072-512-2867 Sequence 2867, App
994 28 30.8 155 7 US-11-098-686-10470 Sequence 10470, A
995 28 30.8 156 7 US-11-096-568A-11162 Sequence 11162, A
996 28 30.8 157 7 US-11-096-568A-13473 Sequence 13473, A
997 28 30.8 158 6 US-10-453-372-668 Sequence 668, App
998 28 30.8 159 7 US-11-038-676-30 Sequence 30, App1
999 28 30.8 159 7 US-11-087-099-5905 Sequence 5905, Ap
1000 28 30.8 160 7 US-11-087-099-3738 Sequence 3738, Ap
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## ALIGNMENTS

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RESULT 1
US-11-060-029-21
; Sequence 21, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-Pr10
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-060-029-21

Query Match          94.5%; Score 86; DB 7; Length 318;
Best Local Similarity 94.7%; Pred. No. 1.8e-07;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRYDALNTVMAMNITISK 19
Db      153 RRRYDALNTVMAMDIISK 171

RESULT 2
US-11-060-029-15
; Sequence 15, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-Pr10
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
```

```
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (193)..(193)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-060-029-15
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```
Query Match          94.5%; Score 86; DB 7; Length 344;
Best Local Similarity 94.7%; Pred. No. 2e-07;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 RRRYDALNTVMAMNITISK 19
Db      151 RRRYDALNTVMAMDIISK 169
```

```
RESULT 3
US-11-060-029-19
; Sequence 19, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-Pr10
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-060-029-19
```

```
Query Match          94.5%; Score 86; DB 7; Length 346;
Best Local Similarity 94.7%; Pred. No. 2e-07;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 RRRYDALNTVMAMNITISK 19
Db      153 RRRYDALNTVMAMDIISK 171
```

```
RESULT 4
US-11-060-029-2
; Sequence 2, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-Pr10
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-060-029-2
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```
Query Match          94.5%; Score 86; DB 7; Length 385;
Best Local Similarity 94.7%; Pred. No. 2.3e-07;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 RRRYDALNTVMAMNITISK 19
Db      155 RRRYDALNTVMAMDIISK 173
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RESULT 5  
US-11-060-029-13  
; Sequence 13, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 13  
; LENGTH: 386  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (40)..(40)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
; FEATURES:  
; NAME/KEY: misc feature  
; LOCATION: (102)..(102)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
US-11-060-029-13

Query Match 94.5%; Score 86; DB 7; Length 386;  
Best Local Similarity 94.7%; Pred. No. 2.3e-07;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAALVLMAMNISK 19  
DB 188 RRRVDAALVLMAMNISK 206

RESULT 6  
US-11-060-029-4  
; Sequence 4, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 4  
; LENGTH: 413  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
US-11-060-029-4

Query Match 94.5%; Score 86; DB 7; Length 413;  
Best Local Similarity 94.7%; Pred. No. 2.3e-07;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAALVLMAMNISK 19  
DB 172 RRRVDAALVLMAMNISK 190

RESULT 7  
US-11-060-029-17  
; Sequence 17, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 17  
; LENGTH: 386  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (40)..(40)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
; FEATURES:  
; NAME/KEY: misc feature  
; LOCATION: (102)..(102)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
US-11-060-029-17

; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 17  
; LENGTH: 379  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
US-11-060-029-17

Query Match 93.4%; Score 85; DB 7; Length 379;  
Best Local Similarity 94.7%; Pred. No. 3.4e-07;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRRVDAALVLMAMNISK 19  
DB 181 RRRVDAALVLMAMNISK 199

RESULT 8  
US-11-060-029-23  
; Sequence 23, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 23  
; LENGTH: 353  
; TYPE: PRT  
; ORGANISM: Populus tremula x Populus tremuloides  
US-11-060-029-23

Query Match 91.2%; Score 83; DB 7; Length 353;  
Best Local Similarity 89.5%; Pred. No. 6.3e-07;  
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAALVLMAMNISK 19  
DB 155 RRRVDAALVLMAMNISK 173

RESULT 9  
US-11-096-568A-2816  
; Sequence 2816, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 2816  
; LENGTH: 384  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(384)  
; OTHER INFORMATION: Ceres Seq. ID no. 12610325  
US-11-096-568A-2816

Query Match 63.7%; Score 58; DB 7; Length 384;  
Best Local Similarity 61.1%; Pred. No. 0.016;  
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 RRYVDALNVLMMANNIISK 19  
||:|||||:|||||  
Db 206 RRLYDIANVLSSMNLIEK 223

RESULT 10  
US-11-096-568A-2817  
; Sequence 2817, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: thereby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 2817  
; LENGTH: 384  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (1)..(384)  
; OTHER INFORMATION: Ceres Seq. ID no. 16625362  
US-11-096-568A-2817

Query Match 63.7%; Score 58; DB 7; Length 384;  
Best Local Similarity 61.1%; Pred. No. 0.016;  
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 RRYVDALNVLMMANNIISK 19  
||:|||||:|||||  
Db 206 RRLYDIANVLSSMNLIEK 223

RESULT 11  
US-11-096-568A-2815  
; Sequence 2815, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: thereby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 2815  
; LENGTH: 385  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (1)..(385)  
; OTHER INFORMATION: Ceres Seq. ID no. 12610324  
US-11-096-568A-2815

Query Match 63.7%; Score 58; DB 7; Length 385;  
Best Local Similarity 61.1%; Pred. No. 0.016;  
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 RRYVDALNVLMMANNIISK 19  
||:|||||:|||||  
Db 207 RRLYDIANVLSSMNLIEK 224

RESULT 12  
US-10-967-648A-14  
; Sequence 14, Application US/10967648A  
; Publication No. US2005024547A1  
; GENERAL INFORMATION:

; APPLICANT: Saunders, Nicholas A  
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
; TITLE OF INVENTION: therefor  
; FILE REFERENCE: 12493972  
; CURRENT APPLICATION NUMBER: US/10/967,648A  
; CURRENT FILING DATE: 2004-10-15  
; PRIOR APPLICATION NUMBER: USSN 60/512010  
; PRIOR FILING DATE: 2003-10-16  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 14  
; LENGTH: 904  
; TYPE: PRT  
; ORGANISM: Mouse  
US-10-967-648A-14

Query Match 63.7%; Score 58; DB 6; Length 904;  
Best Local Similarity 47.4%; Pred. No. 0.045;  
Matches 9; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRRYVDALNVLMMANNIISK 19  
||:|||||:|||||  
Db 184 RRLYDIANVLSSMNLIEK 202

RESULT 13  
US-11-096-568A-20252  
; Sequence 20252, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: thereby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 20252  
; LENGTH: 207  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (1)..(207)  
; OTHER INFORMATION: Ceres Seq. ID no. 12381059  
US-11-096-568A-20252

Query Match 60.4%; Score 55; DB 7; Length 207;  
Best Local Similarity 55.6%; Pred. No. 0.026;  
Matches 10; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 2 RRYVDALNVLMMANNIISK 19  
||:|||||:|||||  
Db 30 RRLYDIANVLSSMNLIEK 47

RESULT 14  
US-11-096-568A-20251  
; Sequence 20251, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: thereby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 20251  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
; FEATURE:

NAME/KEY: misc\_feature  
LOCATION: (1)..(278)  
OTHER INFORMATION: Ceres Seq. ID no. 12381058  
US-11-096-568A-20251

Query Match 60.4%; Score 55; DB 7; Length 278;  
Best Local Similarity 55.6%; Pred. No. 0.037;  
Matches 10; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 2 RRVYDALNVLMANNIISK 19  
Db 101 RRLYDIANVLSTLIRK 118

RESULT 15  
US-11-096-568A-20250  
Sequence 20250, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nickolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 20250  
LENGTH: 287  
TYPE: PRT  
ORGANISM: Zea mays subsp. mays  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(287)  
OTHER INFORMATION: Ceres Seq. ID no. 12381057  
US-11-096-568A-20250

Query Match 60.4%; Score 55; DB 7; Length 287;  
Best Local Similarity 55.6%; Pred. No. 0.038;  
Matches 10; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 2 RRVYDALNVLMANNIISK 19  
Db 110 RRLYDIANVLSTLIRK 127

RESULT 16  
US-11-096-568A-18168  
Sequence 18168, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nickolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 18168  
LENGTH: 425  
TYPE: PRT  
ORGANISM: Zea mays subsp. mays  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(425)  
OTHER INFORMATION: Ceres Seq. ID no. 12363306  
US-11-096-568A-18168

Query Match 60.4%; Score 55; DB 7; Length 425;  
Best Local Similarity 55.6%; Pred. No. 0.061;  
Matches 10; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 2 RRVYDALNVLMANNIISK 19  
Db 110 RRLYDIANVLSTLIRK 127

Db 232 RRLYDIANVLSTLIRK 249

RESULT 17  
US-11-096-568A-18167  
Sequence 18167, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nickolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 18167  
LENGTH: 444  
TYPE: PRT  
ORGANISM: Zea mays subsp. mays  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(444)  
OTHER INFORMATION: Ceres Seq. ID no. 12363305  
US-11-096-568A-18167

Query Match 60.4%; Score 55; DB 7; Length 444;  
Best Local Similarity 55.6%; Pred. No. 0.064;  
Matches 10; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 2 RRVYDALNVLMANNIISK 19  
Db 251 RRLYDIANVLSTLIRK 268

RESULT 18  
US-11-096-568A-18166  
Sequence 18166, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nickolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 18166  
LENGTH: 515  
TYPE: PRT  
ORGANISM: Zea mays subsp. mays  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(515)  
OTHER INFORMATION: Ceres Seq. ID no. 12363304  
US-11-096-568A-18166

Query Match 60.4%; Score 55; DB 7; Length 515;  
Best Local Similarity 55.6%; Pred. No. 0.077;  
Matches 10; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 2 RRVYDALNVLMANNIISK 19  
Db 322 RRLYDIANVLSTLIRK 339

RESULT 19  
US-10-863-093-5  
Sequence 5, Application US/10863093  
Publication No. US20050265081A1  
GENERAL INFORMATION:  
APPLICANT: Andrews, William H.  
APPLICANT: Foster, Christopher A.  
APPLICANT: Fraser, Stephanie

```

; APPLICANT: Mohammadpour, Hamid
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING
; TITLE OF INVENTION: TELOMERASE REVERSE TRANSCRIPTASE (TERT) EXPRESSION
; FILE REFERENCE: SIER-005
; CURRENT APPLICATION NUMBER: US/10/863,093
; PRIOR FILING DATE: 2004-06-08
; PRIOR APPLICATION NUMBER: US/09/932,581
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 60/227,865
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/230,174
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/238,345
; PRIOR FILING DATE: 2000-10-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 85
; TYPE: PRT
; ORGANISM: human
US-10-863-093-5
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```
Query Match          56.0%; Score 51; DB 6; Length 85;
Best Local Similarity 47.4%; Pred. No. 0.045;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
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```
Qy      1 RRRVDALNVLMAMNISK 19
      :|:|:| | | | | | | | | |
Db      55 KRRIVDTNVLEGIQLIAK 73
```

```

RESULT 20
US-10-967-648A-16
; Sequence 16, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 16
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-16
```

```
Query Match          56.0%; Score 51; DB 6; Length 121;
Best Local Similarity 47.4%; Pred. No. 0.068;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
```

```
Qy      1 RRRVDALNVLMAMNISK 19
      :|:|:| | | | | | | | | |
Db      50 KRRIVDTNVLEGIQLIAK 68
```

```

RESULT 21
US-10-967-648A-10
; Sequence 10, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
```

```

; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 10
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-10
```

```
Query Match          56.0%; Score 51; DB 6; Length 346;
Best Local Similarity 47.4%; Pred. No. 0.24;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
```

```
Qy      1 RRRVDALNVLMAMNISK 19
      :|:|:| | | | | | | | | |
Db      88 KRRIVDTNVLEGIQLIAK 106
```

```

RESULT 22
US-11-096-568A-19243
; Sequence 19243, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; TITLE OF INVENTION: Thereby
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 19243
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(367)
; OTHER INFORMATION: Ceres Seq. ID no. 12369793
US-11-096-568A-19243
```

```
Query Match          56.0%; Score 51; DB 7; Length 367;
Best Local Similarity 47.4%; Pred. No. 0.25;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
```

```
Qy      1 RRRVDALNVLMAMNISK 19
      :|:|:| | | | | | | | | |
Db      128 KRRIVDTNVLEGIQLIAK 146
```

```

RESULT 23
US-10-967-648A-2
; Sequence 2, Application US/10967648A
; Publication No. US20050245473A1
; GENERAL INFORMATION:
; APPLICANT: Saunders, Nicholas A
; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses
; TITLE OF INVENTION: therefor
; FILE REFERENCE: 12493972
; CURRENT APPLICATION NUMBER: US/10/967,648A
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: USSN 60/512010
; PRIOR FILING DATE: 2003-10-16
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 437
; TYPE: PRT
; ORGANISM: Human
US-10-967-648A-2
```

```
Query Match          56.0%; Score 51; DB 6; Length 437;
Best Local Similarity 47.4%; Pred. No. 0.31;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
```





;/ CURRENT APPLICATION NUMBER: US/10/888,613B  
;/ CURRENT FILING DATE: 2004-07-09  
;/ NUMBER OF SEQ ID NOS: 93  
;/ SOFTWARE: PatentIn version 3.3  
;/ SEQ ID NO 90  
;/ LENGTH: 76  
;/ TYPE: PRT  
;/ ORGANISM: Artificial  
;/ FEATURE:  
;/ OTHER INFORMATION: This sequence was artificially derived and/or created by the  
;/ OTHER INFORMATION: inventors.  
US-10-888-613B-90

Query Match 54.9%; Score 50; DB 6; Length 76;  
Best Local Similarity 47.4%; Pred. No. 0.059;  
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMANNISK 19  
:||||| : :  
Db 45 KRRYDITNVLEGIGLIEK 63

RESULT 29  
US-10-967-648A-12  
;/ Sequence 12, Application US/10967648A  
;/ Publication No. US20050245473A1  
;/ GENERAL INFORMATION:  
;/ APPLICANT: Saunders, Nicholas A  
;/ TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
;/ TITLE OF INVENTION: therefor  
;/ FILE REFERENCE: 12493972  
;/ CURRENT APPLICATION NUMBER: US/10/967,648A  
;/ CURRENT FILING DATE: 2004-10-15  
;/ PRIOR APPLICATION NUMBER: USSN 60/512010  
;/ PRIOR FILING DATE: 2003-10-16  
;/ NUMBER OF SEQ ID NOS: 16  
;/ SOFTWARE: PatentIn version 3.3  
;/ SEQ ID NO 12  
;/ LENGTH: 281  
;/ TYPE: PRT  
;/ ORGANISM: Human  
US-10-967-648A-12

Query Match 54.9%; Score 50; DB 6; Length 281;  
Best Local Similarity 47.4%; Pred. No. 0.28;  
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMANNISK 19  
:||||| : :  
Db 100 KRRYDITNVLDGIDIVEK 118

RESULT 30  
US-11-096-568A-20332  
;/ Sequence 20332, Application US/11096568A  
;/ Publication No. US20060048240A1  
;/ GENERAL INFORMATION:  
;/ APPLICANT: Alexandrov, Nikolai et al.  
;/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
;/ TITLE OF INVENTION: Thereby  
;/ FILE REFERENCE: 2750-1592PUS2  
;/ CURRENT APPLICATION NUMBER: US/11/096,568A  
;/ CURRENT FILING DATE: 2005-04-01  
;/ NUMBER OF SEQ ID NOS: 34471  
;/ SEQ ID NO 20332  
;/ LENGTH: 362  
;/ TYPE: PRT  
;/ ORGANISM: Zea mays subsp. mays  
;/ FEATURE:  
;/ NAME/KEY: misc\_feature  
;/ LOCATION: (1)..(362)  
;/ OTHER INFORMATION: Cerees Seq. ID no. 12381524  
US-11-096-568A-20332

Query Match 54.9%; Score 50; DB 7; Length 362;  
Best Local Similarity 47.4%; Pred. No. 0.37;  
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMANNISK 19  
:||||| : :  
Db 82 KRRYDITNVLEGIGLIEK 100

RESULT 31  
US-11-096-568A-3066  
;/ Sequence 3066, Application US/11096568A  
;/ Publication No. US20060048240A1  
;/ GENERAL INFORMATION:  
;/ APPLICANT: Alexandrov, Nikolai et al.  
;/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
;/ TITLE OF INVENTION: Thereby  
;/ FILE REFERENCE: 2750-1592PUS2  
;/ CURRENT APPLICATION NUMBER: US/11/096,568A  
;/ CURRENT FILING DATE: 2005-04-01  
;/ NUMBER OF SEQ ID NOS: 34471  
;/ SEQ ID NO 3066  
;/ LENGTH: 398  
;/ TYPE: PRT  
;/ ORGANISM: Glycine max  
;/ FEATURE:  
;/ NAME/KEY: misc\_feature  
;/ LOCATION: (1)..(398)  
;/ OTHER INFORMATION: Cerees Seq. ID no. 15172413  
US-11-096-568A-3066

Query Match 54.9%; Score 50; DB 7; Length 398;  
Best Local Similarity 47.4%; Pred. No. 0.42;  
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMANNISK 19  
:||||| : :  
Db 117 KRRYDITNVLEGIGLIEK 135

RESULT 32  
US-10-967-648A-8  
;/ Sequence 8, Application US/10967648A  
;/ Publication No. US20050245473A1  
;/ GENERAL INFORMATION:  
;/ APPLICANT: Saunders, Nicholas A  
;/ TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
;/ TITLE OF INVENTION: therefor  
;/ FILE REFERENCE: 12493972  
;/ CURRENT APPLICATION NUMBER: US/10/967,648A  
;/ CURRENT FILING DATE: 2004-10-15  
;/ PRIOR APPLICATION NUMBER: USSN 60/512010  
;/ PRIOR FILING DATE: 2003-10-16  
;/ NUMBER OF SEQ ID NOS: 16  
;/ SOFTWARE: PatentIn version 3.3  
;/ SEQ ID NO 8  
;/ LENGTH: 413  
;/ TYPE: PRT  
;/ ORGANISM: Human  
US-10-967-648A-8

Query Match 54.9%; Score 50; DB 6; Length 413;  
Best Local Similarity 47.4%; Pred. No. 0.43;  
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMANNISK 19  
:||||| : :  
Db 55 KRRYDITNVLEGIGLIEK 73

RESULT 33  
US-11-096-568A-20331

```

; Sequence 20331, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20331
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(464)
; OTHER INFORMATION: Ceres Seq. ID no. 12381523
US-11-096-568A-20331

```

```

Query Match          54.9%; Score 50; DB 7; Length 464;
Best Local Similarity 47.4%; Pred. No. 0.5;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

```

```

Qy 1 RRRVYDALNTVMANNISK 19
Db 184 KRRYDITNVLEGIIGLIEK 202

```

```

RESULT 34
US-11-096-568A-3065
; Sequence 3065, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 3065
; LENGTH: 466
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(466)
; OTHER INFORMATION: Ceres Seq. ID no. 15172412
US-11-096-568A-3065

```

```

Query Match          54.9%; Score 50; DB 7; Length 466;
Best Local Similarity 47.4%; Pred. No. 0.5;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

```

```

Qy 1 RRRVYDALNTVMANNISK 19
Db 185 KRRYDITNVLEGIIGLIEK 203

```

```

RESULT 35
US-11-096-568A-3067
; Sequence 3067, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 3067

```

```

; LENGTH: 466
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(466)
; OTHER INFORMATION: Ceres Seq. ID no. 16625551
US-11-096-568A-3067

```

```

Query Match          54.9%; Score 50; DB 7; Length 466;
Best Local Similarity 47.4%; Pred. No. 0.5;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

```

```

Qy 1 RRRVYDALNTVMANNISK 19
Db 185 KRRYDITNVLEGIIGLIEK 203

```

```

RESULT 36
US-11-096-568A-3064
; Sequence 3064, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 3064
; LENGTH: 528
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(528)
; OTHER INFORMATION: Ceres Seq. ID no. 15172411
US-11-096-568A-3064

```

```

Query Match          54.9%; Score 50; DB 7; Length 528;
Best Local Similarity 47.4%; Pred. No. 0.58;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

```

```

Qy 1 RRRVYDALNTVMANNISK 19
Db 247 KRRYDITNVLEGIIGLIEK 265

```

```

RESULT 37
US-11-096-568A-20330
; Sequence 20330, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nickolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 20330
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(545)
; OTHER INFORMATION: Ceres Seq. ID no. 12381522
US-11-096-568A-20330

```

```

Query Match          54.9%; Score 50; DB 7; Length 545;
Best Local Similarity 47.4%; Pred. No. 0.6;

```

Matches 9, Conservative 4, Mismatches 6, Indels 0, Gaps 0,  
 Qy 1 RRRYDALNTVMANNIISK 19  
 :||:|||||:|  
 Db 265 KRRYDITNTVLEGIQLIRK 283

RESULT 38  
 US-10-967-648A-4  
 ; Sequence 4, Application US/10967648A  
 ; Publication No. US20050245473A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Saunders, Nicholas A  
 ; TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
 ; FILE REFERENCE: 12493972  
 ; CURRENT APPLICATION NUMBER: US/10/967,648A  
 ; PRIOR FILING DATE: 2004-10-15  
 ; PRIOR APPLICATION NUMBER: USSN 60/512010  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SOFTWARE: PatentIn Version 3.3  
 ; SEQ ID NO 4  
 ; LENGTH: 437  
 ; TYPE: PRT  
 ; ORGANISM: Human  
 US-10-967-648A-4

Query Match 53.8%; Score 49; DB 6; Length 437;  
 Best Local Similarity 47.4%; Pred. No. 0.69;  
 Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

Qy 1 RRRYDALNTVMANNIISK 19  
 :||:|||||:|  
 Db 166 KRRYDITNTVLEGIQLIRK 184

RESULT 39  
 US-10-467-657-22  
 ; Sequence 22, Application US/10467657  
 ; Publication No. US20050260581A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CHIRON SpA  
 ; APPLICANT: FONTANA Maria Rita  
 ; APPLICANT: PIZZA Mariagrazia  
 ; APPLICANT: MASIGNANI Vega  
 ; APPLICANT: MONACI Elisabetta  
 ; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
 ; FILE REFERENCE:  
 ; CURRENT APPLICATION NUMBER: US/10/467,657  
 ; CURRENT FILING DATE: 2003-08-11  
 ; PRIOR APPLICATION NUMBER: GB-0103424.8  
 ; PRIOR FILING DATE: 2001-02-12  
 ; NUMBER OF SEQ ID NOS: 9218  
 ; SOFTWARE: SeqWin99, version 1.04  
 ; SEQ ID NO 22  
 ; LENGTH: 161  
 ; TYPE: PRT  
 ; ORGANISM: Neisseria gonorrhoeae  
 US-10-467-657-22

Query Match 45.6%; Score 41.5; DB 6; Length 161;  
 Best Local Similarity 50.0%; Pred. No. 4.2;  
 Matches 9; Conservative 5; Mismatches 3; Indels 1; Gaps 1;

Qy 2 RRRYDALNTVMANNIISK 19  
 :||:|||||:|  
 Db 6 KRIYDAVNV-RQLNRLSK 22

RESULT 40  
 US-10-467-657-6198  
 ; Sequence 6198, Application US/10467657

; Publication No. US20050260581A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CHIRON SpA  
 ; APPLICANT: FONTANA Maria Rita  
 ; APPLICANT: PIZZA Mariagrazia  
 ; APPLICANT: MASIGNANI Vega  
 ; APPLICANT: MONACI Elisabetta  
 ; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
 ; FILE REFERENCE:  
 ; CURRENT APPLICATION NUMBER: US/10/467,657  
 ; CURRENT FILING DATE: 2003-08-11  
 ; PRIOR APPLICATION NUMBER: GB-0103424.8  
 ; PRIOR FILING DATE: 2001-02-12  
 ; NUMBER OF SEQ ID NOS: 9218  
 ; SOFTWARE: SeqWin99, version 1.04  
 ; SEQ ID NO 6198  
 ; LENGTH: 161  
 ; TYPE: PRT  
 ; ORGANISM: Neisseria gonorrhoeae  
 US-10-467-657-6198

Query Match 45.6%; Score 41.5; DB 6; Length 161;  
 Best Local Similarity 50.0%; Pred. No. 4.2;  
 Matches 9; Conservative 5; Mismatches 3; Indels 1; Gaps 1;

Qy 2 RRRYDALNTVMANNIISK 19  
 :||:|||||:|  
 Db 6 KRIYDAVNV-RQLNRLSK 22

RESULT 41  
 US-10-778-636-3  
 ; Sequence 3, Application US/10778636  
 ; Publication No. US20060029606A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mascarenhas, Desmond  
 ; TITLE OF INVENTION: Method for Use of IGF-Binding Protein  
 ; FILE REFERENCE: 51490200100  
 ; CURRENT APPLICATION NUMBER: US/10/778,636  
 ; CURRENT FILING DATE: 2004-02-13  
 ; PRIOR APPLICATION NUMBER: US/09/956,508  
 ; PRIOR FILING DATE: 2001-09-18  
 ; PRIOR APPLICATION NUMBER: 60/233,840  
 ; PRIOR FILING DATE: 2000-09-19  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: PastsEQ for Windows Version 4.0  
 ; SEQ ID NO 3  
 ; LENGTH: 264  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapien  
 US-10-778-636-3

Query Match 44.0%; Score 40; DB 6; Length 264;  
 Best Local Similarity 44.4%; Pred. No. 14;  
 Matches 8; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

Qy 1 RRRYDALNTVMANNIISK 18  
 :||:|||||:|  
 Db 187 KRRMEDTNNHKLFLNVLS 204

RESULT 42  
 US-10-778-636-4  
 ; Sequence 4, Application US/10778636  
 ; Publication No. US20060029606A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mascarenhas, Desmond  
 ; TITLE OF INVENTION: Method for Use of IGF-Binding Protein  
 ; FILE REFERENCE: 51490200100  
 ; CURRENT APPLICATION NUMBER: US/10/778,636  
 ; CURRENT FILING DATE: 2004-02-13

```
; PRIOR APPLICATION NUMBER: US/09/956,508
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: 60/233,840
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(264)
; OTHER INFORMATION: [N109D]-higFBP-3 derivative. A non-naturally
; OTHER INFORMATION: occurring derivative.
US-10-778-636-4
```

```
Query Match          44.0%; Score 40; DB 6; Length 264;
Best Local Similarity 44.4%; Pred. No. 14;
Matches      8; Conservative 4; Mismatches 6; Indels 0; Gaps 0;
```

```
QY      1 RRRYDALNTVLMAMNIIIS 18
Db      187 RREMEDTLNHLKFLNVLIS 204
```

## RESULT 43

```
US-11-072-512-3046
; Sequence 3046, Application US/11072512
; Publication No. US2006029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUYU
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HTO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHITO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3046
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3046
```

```
Query Match          44.0%; Score 40; DB 7; Length 277;
Best Local Similarity 44.4%; Pred. No. 15;
Matches      8; Conservative 4; Mismatches 6; Indels 0; Gaps 0;
```

```
QY      1 RRRYDALNTVLMAMNIIIS 18
Db      200 RREMEDTLNHLKFLNVLIS 217
```

```
RESULT 44
US-10-821-234-1560
; Sequence 1560, Application US/10821234
; Publication No. US2005025511A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Blrgit
; APPLICANT: Andarmant, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: PC_SEQ_genes Version 1.0
; SEQ ID NO 1560
; LENGTH: 291
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1560
```

```
Query Match          44.0%; Score 40; DB 6; Length 291;
Best Local Similarity 44.4%; Pred. No. 16;
Matches      8; Conservative 4; Mismatches 6; Indels 0; Gaps 0;
```

```
QY      1 RRRYDALNTVLMAMNIIIS 18
Db      214 RREMEDTLNHLKFLNVLIS 231
```

## RESULT 45

```
US-11-087-099-977
; Sequence 977, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450)B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 977
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)...(344)
; OTHER INFORMATION: unsure at all Xaa locations
US-11-087-099-977
```

```
Query Match          41.8%; Score 38; DB 7; Length 344;
Best Local Similarity 80.0%; Pred. No. 42;
Matches      8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      2 RRYVDALNTVL 11
Db      252 RRYVDATVTL 261
```

```
RESULT 46
US-11-087-099-11022
; Sequence 11022, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450)B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
```

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/ NUMBER OF SEQ ID NOS: 12464
/ SEQ ID NO 11022
/ LENGTH: 435
/ TYPE: PRT
/ ORGANISM: Triticum aestivum
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: (1)..(435)
/ OTHER INFORMATION: unsure at all Xaa locations
US-11-087-099-11022
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```
Query Match          41.8%; Score 38; DB 7; Length 435;
Best Local Similarity 50.0%; Pred. No. 55;
Matches 10; Conservative 4; Mismatches 4; Indels 2; Gaps 1;
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QY      1 RRRYDALNTVMA--NNIIS 18
Db      303 RRIYFDLVNRIIAQNNIYS 322
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RESULT 47
US-11-087-099-7037
/ Sequence 7037, Application US/11087099
/ Publication No. US20060041961A1
/ GENERAL INFORMATION:
/ APPLICANT: Abad, Mark S. et al.
/ TITLE OF INVENTION: Genes and Uses for Plant Improvement
/ FILE REFERENCE: 38-21(53450)B EP
/ CURRENT APPLICATION NUMBER: US/11/087,099
/ CURRENT FILING DATE: 2005-03-22
/ NUMBER OF SEQ ID NOS: 12464
/ SEQ ID NO 7037
/ LENGTH: 474
/ TYPE: PRT
/ ORGANISM: Oryza sativa (japonica cultivar-group)
US-11-087-099-7037
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Query Match          41.8%; Score 38; DB 7; Length 474;
Best Local Similarity 80.0%; Pred. No. 61;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY      2 RRYVDALNTVL 11
Db      336 RRYVDATYVL 345
```

```
RESULT 48
US-11-087-099-7585
/ Sequence 7585, Application US/11087099
/ Publication No. US20060041961A1
/ GENERAL INFORMATION:
/ APPLICANT: Abad, Mark S. et al.
/ TITLE OF INVENTION: Genes and Uses for Plant Improvement
/ FILE REFERENCE: 38-21(53450)B EP
/ CURRENT APPLICATION NUMBER: US/11/087,099
/ CURRENT FILING DATE: 2005-03-22
/ NUMBER OF SEQ ID NOS: 12464
/ SEQ ID NO 7585
/ LENGTH: 474
/ TYPE: PRT
/ ORGANISM: Oryza sativa
US-11-087-099-7585
```

```
Query Match          41.8%; Score 38; DB 7; Length 474;
Best Local Similarity 80.0%; Pred. No. 61;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      2 RRYVDALNTVL 11
Db      336 RRYVDATYVL 345
```

RESULT 49

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US-11-087-099-9124
/ Sequence 9124, Application US/11087099
/ Publication No. US20060041961A1
/ GENERAL INFORMATION:
/ APPLICANT: Abad, Mark S. et al.
/ TITLE OF INVENTION: Genes and Uses for Plant Improvement
/ FILE REFERENCE: 38-21(53450)B EP
/ CURRENT APPLICATION NUMBER: US/11/087,099
/ CURRENT FILING DATE: 2005-03-22
/ NUMBER OF SEQ ID NOS: 12464
/ SEQ ID NO 9124
/ LENGTH: 187
/ TYPE: PRT
/ ORGANISM: Glycine max
US-11-087-099-9124
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Query Match          40.7%; Score 37; DB 7; Length 187;
Best Local Similarity 35.3%; Pred. No. 31;
Matches 6; Conservative 6; Mismatches 5; Indels 0; Gaps 0;
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QY      1 RRRYDALNTVMMNII 17
Db      60 RKLIYDVNDIIIAQXII 76
```

```
RESULT 50
US-11-074-176-66
/ Sequence 66, Application US/11074176
/ Publication No. US20050250135A1
/ GENERAL INFORMATION:
/ APPLICANT: Klaenhammer, Todd R.
/ APPLICANT: Russell, William M.
/ APPLICANT: Altermann, Eric
/ APPLICANT: McAniff, Olivia
/ APPLICANT: Peril, Andrea Azcarate
/ TITLE OF INVENTION: Nucleic Acid Sequences Encoding
/ FILE REFERENCE: 5051-694
/ CURRENT APPLICATION NUMBER: US/11/074,176
/ CURRENT FILING DATE: 2005-03-07
/ PRIOR APPLICATION NUMBER: 60/551,161
/ PRIOR FILING DATE: 2004-03-08
/ NUMBER OF SEQ ID NOS: 361
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 66
/ LENGTH: 241
/ TYPE: PRT
/ ORGANISM: Lactobacillus acidophilus
US-11-074-176-66
```

```
Query Match          40.7%; Score 37; DB 7; Length 241;
Best Local Similarity 47.4%; Pred. No. 41;
Matches 9; Conservative 2; Mismatches 8; Indels 0; Gaps 0;
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QY      1 RRRYDALNTVMMNII 19
Db      42 RETYVRKALNQLTALGIQK 60
```

Search completed: March 17, 2006, 21:19:22  
Job time : 25.5455 secs

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 21:13:09 ; Search time 128.25 Seconds  
(without alignments)  
61.901 Million cell updates/sec

Title: US-09-900-147-3  
Perfect score: 91  
Sequence: 1 RRRVYDALNTVMNITISK 19

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 10%  
Listing first 1000 summaries

Database : Published Applications\_AA\_Main:\*  
1: /cgn2\_6/ptodaca/1/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodaca/1/pubpaa/US08\_PUBCOMB.pep:\*  
3: /cgn2\_6/ptodaca/1/pubpaa/US09\_PUBCOMB.pep:\*  
4: /cgn2\_6/ptodaca/1/pubpaa/US10\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodaca/1/pubpaa/US10B\_PUBCOMB.pep:\*  
6: /cgn2\_6/ptodaca/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	91	100.0	19	3	US-09-900-147-3
2	91	100.0	37	3	US-09-900-147-1
3	91	100.0	74	4	US-10-214-188-10
4	91	100.0	149	5	US-10-450-763-15869
5	91	100.0	355	4	US-10-106-698-4846
6	91	100.0	424	5	US-10-450-763-58416
7	86	94.5	28	5	US-10-752-505-22
8	86	94.5	28	5	US-10-752-505-24
9	86	94.5	119	5	US-10-856-499-1157
10	86	94.5	120	5	US-10-856-499-1056
11	86	94.5	165	4	US-10-424-599-23473
12	86	94.5	207	4	US-10-425-114-71403
13	86	94.5	222	4	US-10-425-114-36974
14	86	94.5	301	4	US-10-425-115-872014
15	86	94.5	314	4	US-10-424-599-185947
16	86	94.5	318	4	US-10-437-963-166158
17	86	94.5	320	4	US-10-424-599-186648
18	86	94.5	365	5	US-10-739-930-6734
19	86	94.5	445	6	US-11-097-143-9348
20	85	93.4	263	4	US-10-437-963-167076
21	85	93.4	336	4	US-10-425-114-46555
22	85	93.4	341	4	US-10-425-115-186696
23	85	93.4	575	3	US-09-220-091-7
24	83	90.1	19	3	US-09-900-147-15
25	82	90.1	28	5	US-10-752-505-3
26	82	90.1	28	5	US-10-752-505-21
27	81	89.0	405	4	US-10-053-248-24

28	81	89.0	405	4	US-10-345-837-24	Sequence 24, Appli
29	79	86.8	19	3	US-09-900-147-17	Sequence 17, Appli
30	77	84.6	19	3	US-09-900-147-16	Sequence 16, Appli
31	76	83.5	16	3	US-09-900-147-5	Sequence 5, Appli
32	75	82.4	29	5	US-10-752-505-26	Sequence 26, Appli
33	73	80.2	232	5	US-10-489-500-4	Sequence 4, Appli
34	72	79.1	30	3	US-09-900-147-6	Sequence 6, Appli
35	70	76.9	250	4	US-10-425-115-188778	Sequence 188778, Appli
36	69	75.8	169	4	US-09-900-147-11	Sequence 11, Appli
37	69	75.8	359	4	US-10-437-963-136371	Sequence 136371, Appli
38	68	74.7	15	5	US-10-752-505-23	Sequence 23, Appli
39	67	73.6	155	5	US-10-450-763-35867	Sequence 35867, A
40	63	69.2	15	5	US-10-752-505-4	Sequence 4, Appli
41	58	63.7	36	3	US-09-864-761-45697	Sequence 45697, A
42	58	63.7	323	5	US-10-732-923-3274	Sequence 3274, Ap
43	58	63.7	346	4	US-10-310-154-448	Sequence 448, Ap
44	58	63.7	379	5	US-10-732-923-3272	Sequence 3273, Ap
45	58	63.7	381	4	US-10-425-114-40179	Sequence 40179, A
46	58	63.7	402	5	US-10-732-923-534	Sequence 534, Ap
47	58	63.7	403	5	US-10-732-923-3272	Sequence 3272, Ap
48	58	63.7	421	5	US-10-732-923-3265	Sequence 3265, Ap
49	58	63.7	878	5	US-10-732-923-3267	Sequence 3267, Ap
50	58	63.7	904	3	US-09-866-050A-672	Sequence 672, Ap
51	58	63.7	904	5	US-10-732-923-3266	Sequence 3264, Ap
52	58	63.7	904	5	US-10-732-923-3266	Sequence 3266, Ap
53	58	63.7	911	5	US-10-732-923-3290	Sequence 3290, Ap
54	58	63.7	985	5	US-10-732-923-3270	Sequence 3270, Ap
55	57	62.6	261	4	US-10-437-963-116711	Sequence 116711, A
56	57	62.6	261	4	US-10-732-923-3279	Sequence 3279, Ap
57	57	62.6	308	5	US-10-732-923-3268	Sequence 3268, Ap
58	57	62.6	867	4	US-10-177-744A-11	Sequence 11, Appli
59	57	62.6	867	4	US-10-732-923-3271	Sequence 3271, Ap
60	56	61.5	210	4	US-10-424-599-115352	Sequence 115352, A
61	56	61.5	805	4	US-10-108-605-113	Sequence 113, Ap
62	56	61.5	805	5	US-10-732-923-3425	Sequence 3425, Ap
63	56	61.5	805	5	US-10-732-923-3425	Sequence 3426, Ap
64	56	61.5	805	6	US-11-097-143-13704	Sequence 13704, A
65	55	60.4	144	4	US-10-424-599-247784	Sequence 247784, A
66	55	60.4	200	5	US-10-732-923-3278	Sequence 3278, Ap
67	55	60.4	297	4	US-10-389-566-865	Sequence 865, Ap
68	55	60.4	297	5	US-10-389-566-865	Sequence 3283, Ap
69	55	60.4	315	4	US-10-425-115-347592	Sequence 347592, A
70	55	60.4	317	4	US-10-389-566-692	Sequence 692, Ap
71	55	60.4	317	5	US-10-732-923-3282	Sequence 3282, Ap
72	55	60.4	339	5	US-10-732-923-3276	Sequence 3276, Ap
73	55	60.4	354	5	US-10-732-923-3275	Sequence 3275, Ap
74	55	60.4	394	4	US-10-389-566-690	Sequence 690, Ap
75	55	60.4	394	5	US-10-732-923-3281	Sequence 3281, Ap
76	55	60.4	397	4	US-10-389-566-691	Sequence 691, Ap
77	55	60.4	397	5	US-10-732-923-3280	Sequence 3280, Ap
78	55	60.4	417	5	US-10-732-923-3286	Sequence 3286, Ap
79	55	60.4	444	4	US-10-425-115-345040	Sequence 345040, A
80	55	60.4	445	5	US-10-739-930-8006	Sequence 8006, Ap
81	55	60.4	444	4	US-10-389-566-435	Sequence 435, Ap
82	55	60.4	444	4	US-10-732-923-3285	Sequence 3285, Ap
83	54	59.3	11	3	US-09-900-147-9	Sequence 9, Appli
84	54	59.3	200	5	US-10-732-923-3284	Sequence 3284, Ap
85	54	59.3	657	5	US-10-732-923-3289	Sequence 3289, Ap
86	53	58.2	101	5	US-10-732-923-3288	Sequence 3288, Ap
87	53	58.2	196	5	US-10-732-923-3420	Sequence 3420, Ap
88	53	58.2	209	5	US-10-732-923-3260	Sequence 3269, Ap
89	53	58.2	282	5	US-10-732-923-3446	Sequence 3446, Ap
90	53	58.2	329	5	US-10-732-923-3277	Sequence 3277, Ap
91	53	58.2	499	4	US-10-437-963-166013	Sequence 166013, A
92	52	57.1	287	5	US-10-732-923-3422	Sequence 3422, Ap
93	52	57.1	412	5	US-10-732-923-3424	Sequence 3423, Ap
94	52	57.1	412	5	US-10-732-923-3423	Sequence 3423, Ap
95	51	56.0	20	3	US-09-900-147-4	Sequence 4, Appli
96	51	56.0	74	4	US-10-214-188-5	Sequence 5, Appli
97	51	56.0	74	4	US-10-214-188-7	Sequence 7, Appli
98	51	56.0	74	4	US-10-214-188-9	Sequence 9, Appli
99	51	56.0	76	4	US-10-029-386-29071	Sequence 29071, A
100	51	56.0	85	3	US-09-932-581-5	Sequence 5, Appli

101	51	56.0	85	4	US-10-165-614-2	Sequence 2, Appl1	174	50	54.9	421	5	US-10-732-923-3434	Sequence 3434, Ap
102	51	56.0	85	4	US-10-338-294-5	Sequence 5, Appl1	175	50	54.9	426	5	US-10-732-923-3339	Sequence 3339, Ap
103	51	56.0	85	4	US-10-863-075-5	Sequence 5, Appl1	176	50	54.9	431	5	US-10-732-923-3411	Sequence 3411, Ap
104	51	56.0	85	4	US-10-863-056-5	Sequence 5, Appl1	177	50	54.9	436	5	US-10-310-154-450	Sequence 450, App
105	51	56.0	114	4	US-10-767-701-48701	Sequence 48701, A	178	50	54.9	436	5	US-10-732-923-536	Sequence 536, App
106	51	56.0	141	4	US-10-767-701-52826	Sequence 52826, A	179	50	54.9	439	5	US-10-732-923-3412	Sequence 3412, Ap
107	51	56.0	300	5	US-10-732-923-3376	Sequence 3376, Ap	180	50	54.9	446	4	US-10-437-963-130201	Sequence 130201, A
108	51	56.0	334	5	US-10-732-923-3362	Sequence 3362, Ap	181	50	54.9	446	4	US-10-425-115-245966	Sequence 245966, A
109	51	56.0	334	5	US-10-732-923-3431	Sequence 3431, Ap	182	50	54.9	454	5	US-10-732-923-3388	Sequence 3388, Ap
110	51	56.0	335	4	US-10-214-188-4	Sequence 4, Appl1	183	50	54.9	458	5	US-10-732-923-3418	Sequence 3418, Ap
111	51	56.0	335	5	US-10-732-923-3361	Sequence 3361, Ap	184	50	54.9	469	5	US-10-732-923-3392	Sequence 3392, Ap
112	51	56.0	335	5	US-10-732-923-3363	Sequence 3363, Ap	185	50	54.9	469	5	US-10-732-923-3394	Sequence 3394, Ap
113	51	56.0	335	5	US-10-732-923-3364	Sequence 3364, Ap	186	50	54.9	480	5	US-10-732-923-3419	Sequence 3419, Ap
114	51	56.0	345	3	US-09-919-97-61	Sequence 61, Appl	187	49	53.8	161	4	US-10-214-188-6	Sequence 6, Appl1
115	51	56.0	345	5	US-10-732-923-3437	Sequence 3437, Ap	188	49	53.8	174	4	US-10-425-115-361188	Sequence 361188, A
116	51	56.0	346	4	US-10-214-188-2	Sequence 2, Appl1	189	49	53.8	181	5	US-10-732-923-3379	Sequence 3379, Ap
117	51	56.0	346	5	US-10-732-923-3438	Sequence 3438, Ap	190	49	53.8	189	5	US-10-732-923-3378	Sequence 3378, Ap
118	51	56.0	346	5	US-10-732-923-3439	Sequence 3439, Ap	191	49	53.8	193	5	US-10-732-923-3381	Sequence 3381, Ap
119	51	56.0	346	5	US-10-732-923-3360	Sequence 3360, Ap	192	49	53.8	201	5	US-10-732-923-3374	Sequence 3374, Ap
120	51	56.0	346	5	US-10-732-923-3372	Sequence 3372, Ap	193	49	53.8	207	5	US-10-732-923-3374	Sequence 3374, Ap
121	51	56.0	385	5	US-10-732-923-3380	Sequence 3380, Ap	194	49	53.8	222	5	US-10-732-923-3368	Sequence 3368, Ap
122	51	56.0	392	4	US-10-425-115-273956	Sequence 273956, A	195	49	53.8	272	5	US-10-732-923-3369	Sequence 3369, Ap
123	51	56.0	429	5	US-10-732-923-3429	Sequence 3429, Ap	196	49	53.8	272	5	US-10-732-923-3370	Sequence 3370, Ap
124	51	56.0	429	5	US-10-732-923-3428	Sequence 3428, Ap	197	49	53.8	437	5	US-10-732-923-3440	Sequence 3440, Ap
125	51	56.0	430	5	US-10-732-923-3373	Sequence 3373, Ap	198	49	53.8	443	5	US-10-732-923-3367	Sequence 3367, Ap
126	51	56.0	437	5	US-10-732-923-3443	Sequence 3443, Ap	199	48	52.7	439	5	US-10-732-923-3414	Sequence 3414, Ap
127	51	56.0	437	5	US-10-732-923-3445	Sequence 3445, Ap	200	48	52.7	439	5	US-10-437-963-180337	Sequence 180337, A
128	51	56.0	465	5	US-10-723-860-1265	Sequence 1265, Ap	201	47	51.6	198	5	US-10-732-923-3403	Sequence 3403, Ap
129	51	56.0	465	5	US-10-732-923-3432	Sequence 3432, Ap	202	47	51.6	677	4	US-10-108-2608-4521	Sequence 4521, Ap
130	51	56.0	465	5	US-10-732-923-3433	Sequence 3433, Ap	203	45	49.5	29	5	US-10-752-505-1	Sequence 1, Appl1
131	51	56.0	465	5	US-10-756-149-5022	Sequence 5022, Ap	204	45	49.5	29	5	US-10-752-505-20	Sequence 20, Appl
132	51	56.0	465	5	US-10-450-763-32115	Sequence 32115, A	205	44	48.4	196	4	US-10-424-599-278831	Sequence 278831, A
133	51	56.0	471	5	US-10-732-923-3410	Sequence 3410, Ap	206	44	48.4	196	5	US-10-732-923-3402	Sequence 3402, Ap
134	51	56.0	476	5	US-10-732-923-3444	Sequence 3444, Ap	207	44	48.4	307	4	US-10-437-963-137138	Sequence 137138, A
135	51	56.0	483	5	US-10-489-500-20	Sequence 20, Appl	208	44	48.4	430	4	US-10-369-493-12427	Sequence 12427, A
136	51	56.0	483	5	US-10-732-923-3389	Sequence 3389, Ap	209	43	47.3	259	4	US-10-425-115-273714	Sequence 273714, A
137	51	56.0	485	5	US-10-489-500-2	Sequence 2, Appl1	210	43	47.3	756	4	US-10-389-566-1970	Sequence 1970, Ap
138	51	56.0	485	5	US-10-732-923-3390	Sequence 3390, Ap	211	42.5	46.7	421	4	US-10-138-927-8	Sequence 8, Appl1
139	51	56.0	485	5	US-10-732-923-3391	Sequence 3391, Ap	212	42.5	46.7	421	4	US-10-430-011-8	Sequence 4, Appl1
140	51	56.0	486	4	US-10-437-963-200087	Sequence 200087, A	213	42.5	46.7	616	4	US-10-138-927-44	Sequence 44, Appl
141	51	56.0	514	5	US-10-425-114-72577	Sequence 72577, A	214	42.5	46.7	616	4	US-10-430-011-44	Sequence 44, Appl
142	51	56.0	514	5	US-10-732-923-3396	Sequence 3396, Ap	215	42	46.2	9	3	US-09-900-147-2	Sequence 2, Appl1
143	51	56.0	532	5	US-10-732-923-3395	Sequence 3395, Ap	216	42	46.2	304	5	US-10-617-320-3248	Sequence 3248, Ap
144	51	54.9	69	4	US-10-214-188-8	Sequence 8, Appl1	217	42	46.2	322	5	US-10-472-928-4764	Sequence 4764, Ap
145	50	54.9	76	3	US-09-932-581-6	Sequence 6, Appl1	218	42	46.2	339	3	US-09-815-242-13335	Sequence 13335, A
146	50	54.9	76	4	US-10-165-614-3	Sequence 6, Appl1	219	42	46.2	339	3	US-09-815-242-13635	Sequence 13635, A
147	50	54.9	76	4	US-10-338-294-6	Sequence 6, Appl1	220	42	46.2	339	4	US-10-282-1229-73691	Sequence 73691, A
148	50	54.9	76	5	US-10-863-075-6	Sequence 6, Appl1	221	42	46.2	339	4	US-10-474-776-745	Sequence 745, App
149	50	54.9	76	5	US-10-732-923-3448	Sequence 3448, Ap	222	42	46.2	543	4	US-10-425-114-52022	Sequence 52022, A
150	50	54.9	76	5	US-10-863-056-6	Sequence 6, Appl1	223	42	46.2	560	4	US-10-994-749-1838	Sequence 1838, Ap
151	50	54.9	115	5	US-10-732-923-3407	Sequence 3407, Ap	224	42	46.2	752	4	US-10-310-154-564	Sequence 564, App
152	50	54.9	123	5	US-10-732-923-3406	Sequence 3406, Ap	225	42	46.2	752	5	US-10-732-923-437	Sequence 437, App
153	50	54.9	155	5	US-10-732-923-3413	Sequence 3413, Ap	226	41	45.1	172	4	US-10-437-963-194728	Sequence 194728, A
154	50	54.9	158	5	US-10-732-923-3386	Sequence 3386, Ap	227	41	45.1	226	5	US-10-732-923-13556	Sequence 13556, A
155	50	54.9	259	4	US-10-424-599-275865	Sequence 275865, A	228	41	45.1	311	4	US-10-337-963-125741	Sequence 125741, A
156	50	54.9	260	5	US-10-732-923-3401	Sequence 3401, Ap	229	41	45.1	515	4	US-10-369-493-12447	Sequence 12447, A
157	50	54.9	275	5	US-10-732-923-3442	Sequence 3442, Ap	230	40	44.0	29	5	US-10-752-505-25	Sequence 25, Appl
158	50	54.9	281	5	US-10-732-923-3430	Sequence 3430, Ap	231	40	44.0	77	4	US-10-424-599-176462	Sequence 176462, A
159	50	54.9	281	5	US-10-732-923-3441	Sequence 3441, Ap	232	40	44.0	175	4	US-10-767-701-31931	Sequence 31931, A
160	50	54.9	324	3	US-09-220-091-9	Sequence 9, Appl1	233	40	44.0	175	5	US-10-739-930-10902	Sequence 10902, Ap
161	50	54.9	331	5	US-10-732-923-3377	Sequence 3377, Ap	234	40	44.0	189	4	US-10-108-2604-3443	Sequence 3443, Ap
162	50	54.9	342	5	US-10-732-923-3421	Sequence 3421, Ap	235	40	44.0	199	4	US-10-424-599-240052	Sequence 240052, A
163	50	54.9	370	5	US-10-732-923-3427	Sequence 3427, Ap	236	40	44.0	202	3	US-09-925-301-1166	Sequence 1166, Ap
164	50	54.9	370	6	US-11-097-143-168	Sequence 168, App	237	40	44.0	206	5	US-10-732-923-3375	Sequence 3375, Ap
165	50	54.9	386	5	US-10-732-923-3385	Sequence 3385, Ap	238	40	44.0	229	4	US-10-437-963-114742	Sequence 114742, A
166	50	54.9	391	5	US-10-732-923-3393	Sequence 3393, Ap	239	40	44.0	243	4	US-10-108-2604-3403	Sequence 3403, Ap
167	50	54.9	396	5	US-10-732-923-3397	Sequence 3397, Ap	240	40	44.0	264	3	US-09-865-578-14	Sequence 14, Appl
168	50	54.9	396	5	US-10-732-923-3398	Sequence 3398, Ap	241	40	44.0	264	3	US-09-089-062-1	Sequence 1, Appl1
169	50	54.9	400	5	US-10-732-923-3387	Sequence 3387, Ap	242	40	44.0	264	3	US-09-986-944-1	Sequence 1, Appl1
170	50	54.9	410	5	US-10-732-923-3365	Sequence 3365, Ap	243	40	44.0	264	3	US-09-956-5088-3	Sequence 4, Appl1
171	50	54.9	410	5	US-10-732-923-3366	Sequence 3366, Ap	244	40	44.0	264	3	US-09-956-5088-4	Sequence 4, Appl1
172	50	54.9	413	5	US-10-732-923-3435	Sequence 3435, Ap	245	40	44.0	264	4	US-10-215-759-18	Sequence 18, Appl
173	50	54.9	416	5	US-10-732-923-3436	Sequence 3436, Ap	246	40	44.0	264	4	US-10-215-759-19	Sequence 19, Appl



247	40	44.0	264	4	US-10-223-682-1	Sequence 1, Appl1	320	39	42.9	310	5	US-10-732-923-13869	Sequence 13869, A
248	40	44.0	264	4	US-10-264-672-18	Sequence 18, Appl1	321	39	42.9	311	4	US-10-367-963-170584	Sequence 170584, A
249	40	44.0	264	4	US-10-264-672-19	Sequence 19, Appl1	322	39	42.9	312	4	US-10-369-493-228939	Sequence 228939, A
250	40	44.0	264	4	US-10-383-999-18	Sequence 18, Appl1	323	39	42.9	313	4	US-10-369-493-12952	Sequence 12952, A
251	40	44.0	264	4	US-10-383-999-19	Sequence 19, Appl1	324	39	42.9	314	4	US-10-450-763-31798	Sequence 31798, A
252	40	44.0	264	5	US-10-936-059-1	Sequence 1, Appl1	325	39	42.9	315	4	US-10-425-115-296642	Sequence 296642, A
253	40	44.0	264	5	US-10-936-059-12	Sequence 12, Appl1	326	39	42.9	316	4	US-10-425-115-296642	Sequence 296642, A
254	40	44.0	264	6	US-11-031-919-18	Sequence 18, Appl1	327	39	42.9	317	4	US-10-437-963-162965	Sequence 162965, A
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256	40	44.0	277	4	US-10-104-047-3046	Sequence 3046, Ap	329	39	42.9	319	4	US-10-425-114-59173	Sequence 59173, A
257	40	44.0	277	4	US-10-425-115-300808	Sequence 300808, A	330	39	42.9	320	4	US-10-437-963-176871	Sequence 176871, A
258	40	44.0	282	5	US-10-732-923-13555	Sequence 13555, A	331	39	42.9	321	5	US-10-739-930-57661	Sequence 57661, Ap
259	40	44.0	291	3	US-09-865-578-13	Sequence 13, Appl1	332	39	42.9	322	5	US-10-732-923-13552	Sequence 13552, A
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262	40	44.0	291	3	US-09-902-941-333	Sequence 333, App	335	38	41.8	325	4	US-10-425-115-296642	Sequence 296642, A
263	40	44.0	291	3	US-09-849-626-333	Sequence 333, App	336	38	41.8	326	4	US-10-425-115-296642	Sequence 296642, A
264	40	44.0	291	3	US-09-476-300-333	Sequence 333, App	337	38	41.8	327	4	US-10-425-115-296642	Sequence 296642, A
265	40	44.0	291	4	US-10-017-754-333	Sequence 333, App	338	38	41.8	328	4	US-10-425-114-62821	Sequence 62821, A
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267	40	44.0	291	4	US-10-113-872-333	Sequence 333, App	340	38	41.8	330	4	US-10-437-963-176871	Sequence 176871, A
268	40	44.0	291	4	US-10-247-671-151	Sequence 151, App	341	38	41.8	331	4	US-10-425-114-71550	Sequence 71550, A
269	40	44.0	291	4	US-10-283-017-333	Sequence 333, App	342	38	41.8	332	4	US-10-425-115-362926	Sequence 362926, A
270	40	44.0	291	4	US-10-377-142-1	Sequence 1, Appl1	343	38	41.8	333	4	US-10-282-1224-48627	Sequence 48627, A
271	40	44.0	291	4	US-10-627-604-19	Sequence 19, Appl1	344	38	41.8	334	3	US-09-895-913A-286	Sequence 286, App
272	40	44.0	291	4	US-10-706-791-11	Sequence 11, Appl1	345	38	41.8	335	4	US-10-282-1224-58654	Sequence 58654, A
273	40	44.0	291	4	US-10-755-889-08	Sequence 75, Appl1	346	38	41.8	336	4	US-10-767-701-45196	Sequence 45196, A
274	40	44.0	291	4	US-10-755-889-80	Sequence 80, Appl1	347	38	41.8	337	4	US-10-437-963-137939	Sequence 137939, A
275	40	44.0	291	5	US-10-627-604-19	Sequence 19, Appl1	348	38	41.8	338	4	US-10-156-761-11237	Sequence 11237, A
276	40	44.0	291	5	US-10-887-229A-6	Sequence 6, Appl1	349	38	41.8	339	4	US-10-437-963-139809	Sequence 139809, A
277	40	44.0	291	5	US-10-631-467-850	Sequence 850, App	350	38	41.8	340	4	US-10-282-1224-51376	Sequence 51376, A
278	40	44.0	291	5	US-10-631-467-850	Sequence 850, App	351	38	41.8	341	4	US-10-017-161-2024	Sequence 2024, Ap
279	40	44.0	297	4	US-10-210-172-44	Sequence 14, Appl1	352	38	41.8	342	4	US-10-292-798-1670	Sequence 1670, Ap
280	40	44.0	308	4	US-10-425-114-47935	Sequence 47935, A	353	38	41.8	343	4	US-10-415-934-14	Sequence 14, Appl1
281	40	44.0	317	4	US-10-094-749-2132	Sequence 2132, App	354	38	41.8	344	6	US-11-097-143-1656	Sequence 1656, App
282	40	44.0	358	4	US-10-106-698-6181	Sequence 6181, App	355	38	41.8	345	4	US-10-238-075-691	Sequence 691, App
283	40	44.0	416	5	US-10-732-923-33860	Sequence 23860, A	356	38	41.8	346	4	US-10-282-1224-76994	Sequence 76994, A
284	40	44.0	426	4	US-10-425-114-48721	Sequence 48721, A	357	38	41.8	347	4	US-10-437-963-152441	Sequence 152441, A
285	40	44.0	430	5	US-10-732-923-3447	Sequence 3447, Ap	358	38	41.8	348	4	US-10-732-923-13553	Sequence 13553, A
286	40	44.0	452	4	US-10-359-493-861	Sequence 861, App	359	38	41.8	349	4	US-10-094-749-1772	Sequence 1772, Ap
287	40	44.0	452	5	US-10-732-923-11174	Sequence 11174, A	360	38	41.8	350	4	US-10-282-1224-60678	Sequence 60678, A
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289	40	44.0	475	5	US-10-732-923-33868	Sequence 23868, A	362	38	41.8	352	4	US-10-369-493-13390	Sequence 13390, Ap
290	40	44.0	487	5	US-10-732-923-33868	Sequence 23868, A	363	38	41.8	353	4	US-10-032-585-75452	Sequence 75452, Ap
291	40	44.0	509	4	US-10-437-963-107726	Sequence 107726, A	364	38	41.8	354	4	US-10-424-599-146004	Sequence 146004, A
292	40	44.0	531	5	US-10-887-229A-16	Sequence 16, Appl1	365	38	41.8	355	4	US-10-661-398-14	Sequence 14, Appl1
293	40	44.0	533	4	US-10-425-114-52558	Sequence 52558, A	366	37	40.7	356	4	US-10-437-963-1140826	Sequence 140826, A
294	40	44.0	540	4	US-10-369-493-3703	Sequence 3703, App	367	37	40.7	357	4	US-10-437-963-139302	Sequence 139302, A
295	40	44.0	618	4	US-10-424-599-282248	Sequence 282248, A	368	37	40.7	358	4	US-10-424-599-275363	Sequence 275363, A
296	40	44.0	645	4	US-10-425-114-53276	Sequence 53276, A	369	37	40.7	359	4	US-10-424-599-175695	Sequence 175695, A
297	40	44.0	688	4	US-10-429-949-1	Sequence 7, Appl1	370	37	40.7	360	4	US-10-425-115-308745	Sequence 308745, A
298	40	44.0	739	4	US-10-424-599-178380	Sequence 178380, A	371	37	40.7	361	4	US-10-425-115-308745	Sequence 308745, A
299	40	44.0	757	4	US-10-369-566-516	Sequence 516, App	372	37	40.7	362	4	US-10-425-115-259482	Sequence 259482, A
300	40	44.0	757	4	US-10-607-726-6	Sequence 6, Appl1	373	37	40.7	363	4	US-10-767-701-55602	Sequence 55602, A
301	40	44.0	762	4	US-10-221-074-4	Sequence 4, Appl1	374	37	40.7	364	4	US-10-424-599-256275	Sequence 256275, A
302	40	44.0	762	4	US-10-424-599-178381	Sequence 178381, A	375	37	40.7	365	4	US-10-501-282-4672	Sequence 4672, Ap
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305	40	44.0	1162	5	US-10-450-763-39517	Sequence 39517, A	378	37	40.7	368	4	US-10-425-115-300393	Sequence 300393, A
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307	39.5	43.4	345	4	US-10-607-726-8	Sequence 8, Appl1	380	37	40.7	370	4	US-10-873-467-52	Sequence 52, Appl1
308	39.5	43.4	759	4	US-10-158-445-35	Sequence 35, Appl1	381	37	40.7	371	4	US-10-320-797-3083	Sequence 3083, Ap
309	39	42.9	67	3	US-10-424-599-212498	Sequence 212498, A	382	37	40.7	372	4	US-10-282-1224-74309	Sequence 74309, Ap
310	39	42.9	80	3	US-09-801-574-68	Sequence 48, Appl1	383	37	40.7	373	4	US-10-411-910A-184	Sequence 184, App
311	39	42.9	143	4	US-10-425-114-50614	Sequence 50614, A	384	37	40.7	374	4	US-10-437-963-162157	Sequence 162157, A
312	39	42.9	143	4	US-10-425-115-339181	Sequence 339181, A	385	37	40.7	375	4	US-10-424-599-253410	Sequence 253410, A
313	39	42.9	179	4	US-10-282-122A-51563	Sequence 51563, A	386	37	40.7	376	4	US-10-094-749-3081	Sequence 3081, Ap
314	39	42.9	227	3	US-09-815-242-11338	Sequence 11338, A	387	37	40.7	377	4	US-10-732-923-13541	Sequence 13541, A
315	39	42.9	227	3	US-09-882-227-628	Sequence 628, App	388	37	40.7	378	4	US-10-466-759-3	Sequence 3, Appl1
316	39	42.9	227	4	US-10-335-977-8034	Sequence 8034, Ap	389	37	40.7	379	4	US-10-437-963-149677	Sequence 149677, A
317	39	42.9	237	4	US-10-369-493-3315	Sequence 4315, Ap	390	37	40.7	380	4	US-10-282-1224-48632	Sequence 48632, A
318	39	42.9	239	4	US-10-369-493-7071	Sequence 7071, Ap	391	37	40.7	381	4	US-10-425-114-48720	Sequence 48720, A
319	39	42.9	239	4	US-10-335-977-8035	Sequence 8035, Ap	392	37	40.7	392	6	US-11-097-143-12249	Sequence 12249, A

393	37	40.7	642	4	US-10-156-761-12411	Sequence 12411, A	466	36	39.6	450	4	US-10-369-493-13526	Sequence 13626, A
394	37	40.7	742	4	US-10-424-599-147503	Sequence 147503, A	467	36	39.6	460	5	US-10-732-923-43130	Sequence 4310, Ap
395	37	40.7	760	4	US-10-282-122A-51167	Sequence 51167, A	468	36	39.6	450	5	US-10-732-923-43130	Sequence 4313, Ap
396	37	40.7	761	4	US-10-221-074-2	Sequence 2, Appl1	469	36	39.6	465	3	US-09-935-642-3	Sequence 3, Appl1
397	37	40.7	920	4	US-10-763-883-35	Sequence 35, Appl1	470	36	39.6	466	3	US-09-923-779-155	Sequence 155, App
398	37	40.7	953	4	US-10-437-963-108036	Sequence 108036, A	471	36	39.6	466	4	US-10-152-647-3	Sequence 3, Appl1
399	37	40.7	1062	3	US-09-801-368-234	Sequence 234, App	472	36	39.6	466	4	US-10-152-647-4	Sequence 4, Appl1
400	37	40.7	1062	3	US-10-369-993-1363	Sequence 1363, App	473	36	39.6	466	4	US-10-242-943-12	Sequence 12, Appl1
401	37	40.7	1062	4	US-10-149-930-180	Sequence 180, App	474	36	39.6	466	4	US-10-316-253-196	Sequence 196, App
402	37	40.7	1214	4	US-10-161-493-18	Sequence 18, Appl1	475	36	39.6	466	4	US-10-341-434-107	Sequence 107, App
403	37	40.7	1243	5	US-10-840-512-165	Sequence 165, App	476	36	39.6	466	4	US-10-231-956A-497	Sequence 497, App
404	37	40.7	1244	3	US-09-815-815-8	Sequence 8, Appl1	477	36	39.6	466	4	US-10-231-956A-499	Sequence 499, App
405	37	40.7	1244	4	US-10-393-316-8	Sequence 8, Appl1	478	36	39.6	466	4	US-10-408-765A-2034	Sequence 2034, App
406	37	40.7	1244	4	US-10-618-941-84	Sequence 84, Appl1	479	36	39.6	466	5	US-10-736-889-1	Sequence 1, Appl1
407	37	40.7	1291	4	US-10-369-493-6949	Sequence 6949, App	480	36	39.6	466	5	US-10-920-119-1	Sequence 1, Appl1
408	37	40.7	1461	4	US-10-032-585-7629	Sequence 7629, Ap	481	36	39.6	466	5	US-10-491-545A-82	Sequence 82, Appl1
409	36.5	40.1	235	4	US-10-424-599-500388	Sequence 200388, A	482	36	39.6	466	5	US-10-887-066-6	Sequence 6, Appl1
410	36.5	40.1	330	6	US-11-097-143-21243	Sequence 21243, A	483	36	39.6	466	5	US-10-631-467-868	Sequence 868, App
411	36.5	40.1	371	4	US-10-437-963-173726	Sequence 173726, A	484	36	39.6	466	5	US-10-631-467-1583	Sequence 1583, App
412	36.5	40.1	541	4	US-10-607-726-4	Sequence 4, Appl1	485	36	39.6	466	6	US-11-037-713-54	Sequence 54, Appl1
413	36.5	40.1	757	4	US-10-437-963-173620	Sequence 173620, A	486	36	39.6	467	4	US-10-282-122A-60011	Sequence 60011, A
414	36.5	40.1	784	4	US-10-282-122A-73861	Sequence 73861, A	487	36	39.6	467	4	US-10-233-584A-3	Sequence 3, Appl1
415	36.5	40.1	1876	4	US-10-864-761-40282	Sequence 40282, A	488	36	39.6	467	4	US-10-723-860-847	Sequence 847, App
416	36	39.6	41	3	US-09-864-761-40282	Sequence 361968, A	489	36	39.6	467	4	US-10-756-149-4923	Sequence 4923, Ap
417	36	39.6	49	4	US-10-425-115-361968	Sequence 361968, A	490	36	39.6	467	4	US-10-437-963-118239	Sequence 118239, A
418	36	39.6	54	3	US-09-933-767-455	Sequence 455, App	491	36	39.6	467	4	US-10-408-765A-1856	Sequence 1856, Ap
419	36	39.6	54	4	US-10-004-860-4055	Sequence 455, App	492	36	39.6	467	4	US-10-408-765A-1856	Sequence 80, Appl1
420	36	39.6	54	4	US-10-023-282-455	Sequence 455, App	493	36	39.6	467	4	US-10-205-331-80	Sequence 180, App
421	36	39.6	73	3	US-09-864-761-41902	Sequence 41902, A	494	36	39.6	467	4	US-10-282-122A-74771	Sequence 74771, A
422	36	39.6	74	4	US-10-767-701-51389	Sequence 51389, A	495	36	39.6	467	4	US-10-289-762-180	Sequence 180, App
423	36	39.6	91	3	US-09-925-302-886	Sequence 886, App	496	36	39.6	467	4	US-10-337-963-118242	Sequence 54851, A
424	36	39.6	91	3	US-09-925-302-886	Sequence 886, App	497	36	39.6	467	4	US-10-732-923-9336	Sequence 118242, A
425	36	39.6	93	4	US-10-425-114-57116	Sequence 57116, A	498	36	39.6	467	4	US-10-732-923-9336	Sequence 9336, Ap
426	36	39.6	98	4	US-10-437-963-137403	Sequence 137403, A	499	36	39.6	467	4	US-10-732-923-9336	Sequence 11246, A
427	36	39.6	114	4	US-10-424-599-143855	Sequence 143855, A	500	36	39.6	467	4	US-10-642-228-8	Sequence 6, Appl1
428	36	39.6	144	5	US-10-739-930-8588	Sequence 8588, App	501	36	39.6	467	4	US-10-066-236-6	Sequence 6, Appl1
429	36	39.6	144	4	US-10-437-963-194716	Sequence 194716, A	502	36	39.6	467	4	US-10-233-584A-1	Sequence 1, Appl1
430	36	39.6	173	4	US-10-424-599-180589	Sequence 180589, A	503	36	39.6	467	4	US-10-337-963-118242	Sequence 236, App
431	36	39.6	211	4	US-10-236-417-216	Sequence 216, App	504	36	39.6	467	4	US-10-142-143-6	Sequence 6, Appl1
432	36	39.6	223	4	US-10-424-599-253015	Sequence 253015, A	505	36	39.6	467	4	US-10-282-122A-66992	Sequence 66992, A
433	36	39.6	226	3	US-09-954-314-4	Sequence 4, Appl1	506	36	39.6	467	4	US-10-814-752-6	Sequence 8, Appl1
434	36	39.6	226	4	US-10-230-562-4	Sequence 4, Appl1	507	36	39.6	467	4	US-10-814-752-6	Sequence 6, Appl1
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441	36	39.6	342	4	US-10-724-972A-5255	Sequence 5255, App	514	36	39.6	467	4	US-10-389-566-2254	Sequence 2254, App
442	36	39.6	348	4	US-10-425-115-302040	Sequence 302040, A	515	36	39.6	467	4	US-10-389-566-2255	Sequence 2255, App
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454	36	39.6	419	4	US-10-072-012-785	Sequence 785, App	527	36	39.6	467	5	US-10-408-765A-1422	Sequence 1422, App
455	36	39.6	419	4	US-10-072-012-786	Sequence 786, App	528	36	39.6	467	5	US-10-408-765A-1115	Sequence 1115, App
456	36	39.6	419	4	US-10-236-417-214	Sequence 214, App	529	36	39.6	467	5	US-10-723-860-2539	Sequence 2539, App
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567	35	38.5	137	4	US-10-264-049-9276	Sequence 3376, App	640	35	38.5	394	4	US-10-113-872-805	Sequence 805, App
568	35	38.5	138	4	US-10-425-114-53746	Sequence 53746, A	641	35	38.5	394	4	US-10-283-017-805	Sequence 805, App
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577	35	38.5	154	3	US-09-964-277-10	Sequence 10, App1	650	35	38.5	401	4	US-10-113-872-1917	Sequence 1917, App
578	35	38.5	154	3	US-09-955-732-9	Sequence 9, App1	651	35	38.5	401	4	US-10-283-017-1917	Sequence 1917, App
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586	35	38.5	169	4	US-10-655-073-19	Sequence 19, App1	659	35	38.5	427	5	US-10-108-260A-4090	Sequence 4090, App
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589	35	38.5	169	5	US-10-658-661-16	Sequence 16, App1	662	35	38.5	427	5	US-10-733-969A-70	Sequence 70, App1
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602	35	38.5	246	5	US-10-938-370-9	Sequence 9, App1	675	35	38.5	502	2	US-08-771-737-2	Sequence 2, App1
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695	35	38.5	508	4	US-10-087-192-138	Sequence 138, App	768	34.5	37.9	312	4	US-10-085-198-198	Sequence 198, App
696	35	38.5	509	5	US-10-769-085-17	Sequence 17, Appl1	769	34.5	37.9	312	4	US-10-433-581-7	Sequence 7, Appl1
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709	35	38.5	536	4	US-10-425-114-62653	Sequence 62653, A	782	34.5	37.9	530	5	US-10-756-149-5060	Sequence 5060, Ap
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## ALIGNMENTS

RESULT 1  
US-09-900-147-3

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/ Sequence 3, Application US/09900147
/ Patent No. US20020103121A1
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas B
/ TITLE OF INVENTION: Peptide antagonists of DP transcription factors
/ FILE REFERENCE: 620-67
/ CURRENT APPLICATION NUMBER: US/09/900,147
/ PRIOR FILING DATE: 2001-07-09
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
/ PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
/ PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 3
/ LENGTH: 19
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-3
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Query Match 100.0%; Score 91; DB 3; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.6e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVYDALNVLMMNTISK 19  
Db 1 RRRVYDALNVLMMNTISK 19

RESULT 2  
US-09-900-147-1

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/ Sequence 1, Application US/09900147
/ Patent No. US20020103121A1
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas B
/ APPLICANT: Bandaru, Lasaantha R
/ TITLE OF INVENTION: Peptide antagonists of DP transcription factors
/ FILE REFERENCE: 620-67
/ CURRENT APPLICATION NUMBER: US/09/900,147
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/ CURRENT FILING DATE: 2001-07-09
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
/ PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
/ PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 1
/ LENGTH: 37
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-1
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Query Match 100.0%; Score 91; DB 3; Length 37;  
Best Local Similarity 100.0%; Pred. No. 3.3e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVYDALNVLMMNTISK 19  
Db 4 RRRVYDALNVLMMNTISK 22

RESULT 3  
US-10-214-188-10  
/ Sequence 10, Application US/10214188  
/ Publication No. US2003022260A1  
/ GENERAL INFORMATION:

APPLICANT: LA THANGUE, NICHOLAS B.

BERNARDS, KENE

HIDMANS, ELEANORE M.

TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5

NUMBER OF SEQUENCES: 25

CORRESPONDENCE ADDRESS:

ADDRESSER: NIXON & VANDERVEY P.C.

STREET: 1100 NORTH GLEBE ROAD

CITY: ARLINGTON

STATE: VIRGINIA

COUNTRY: U.S.A.

ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/214,188

FILING DATE: 08-Aug-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/894,139

FILING DATE: 13-Aug-1997

ATTORNEY/AGENT INFORMATION:

NAME: WILSON, MARY J.

REGISTRATION NUMBER: 32,955

REFERENCE/DOCKET NUMBER: 620-22

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 816-4000

TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 74 amino acids

TYPE: amino acid

STRANDEDNESS: <Unknown>

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 10:

US-10-214-188-10

Query Match 100.0%; Score 91; DB 4; Length 74;  
Best Local Similarity 100.0%; Pred. No. 7.3e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRVYDALNTLMAMNIISK 19  
 |||||  
 Db 46 RRRVYDALNTLMAMNIISK 64

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1      RESULT 4
2      US-10-450-763-35869
3      ; Sequence 35869, Application US/10450763
4      ; Publication No, US20050196754A1
5      GENERAL INFORMATION:
6      ; APPLICANT: Hyeq, Inc
7      ; TITLE OP INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
8      ; FILE REFERENCE: 790CIP3/US
9      ; CURRENT APPLICATION NUMBER: US/10/450, 763
10     ; CURRENT FILING DATE: 2003-06-11
11     ; PRIOR APPLICATION NUMBER: PCT/US01/08631
12     ; PRIOR FILING DATE: 2001-03-30
13     ; PRIOR APPLICATION NUMBER: 09/540, 217
14     ; PRIOR FILING DATE: 2000-03-31
15     ; PRIOR APPLICATION NUMBER: 09/649, 167
16     ; PRIOR FILING DATE: 2000-08-23
17     ; NUMBER OF SEQ ID NOS: 60736
18     ; SOFTWARE: Custom
19     ; SEQ ID NO 35869
20     ; LENGTH: 149
21     ; TYPE: PRT
22     ; ORGANISM: Homo sapiens
23     ; US-10-450-763-35869

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1      RESULT 5
2      US-10-106-698-4846
3      ; Sequence 4846, Application US/10106698
4      ; Publication No. US20030109690A1
5      ; GENERAL INFORMATION:
6      ; APPLICANT: Ruben et al.
7      ; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
8      ; FILE REFERENCE: PA0005P1
9      ; CURRENT APPLICATION NUMBER: US/10/106,698
10     ; CURRENT FILING DATE: 2002-03-27
11     ; PRIOR APPLICATION NUMBER: PCT/US00/26524
12     ; PRIOR FILING DATE: 2000-09-28
13     ; PRIOR APPLICATION NUMBER: US 60/157,137
14     ; PRIOR FILING DATE: 1999-09-29
15     ; PRIOR APPLICATION NUMBER: US 60/163,280
16     ; PRIOR FILING DATE: 1999-11-03
17     ; NUMBER OF SEQ ID NOS: 8564
18     ; SOFTWARE: PatentIn Ver. 3.0
19     ; SEQ ID NO 4846
20     ; LENGTH: 355
21     ; TYPE: PRT
22     ; ORGANISM: Homo sapiens
23     ; FEATURE:
24     ; NAME/KEY: MISC FEATURE
25     ; LOCATION: (342)
26     ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
27     ; NAME/KEY: MISC FEATURE
28     ; LOCATION: (348)
29     ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
30     ; NAME/KEY: MISC FEATURE
31     ; LOCATION: (351)
32     ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
33     ; NAME/KEY: MISC FEATURE
34     ; LOCATION: (352)
35     ;

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Query Match 94.5%; Score 86; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.7e-07;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMAMNITS 18  
DB 11 RRRYDALNTVMAMNITS 28

## RESULT 8

US-10-752-505-24  
; Sequence 24, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: 52F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 24  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-752-505-24

Query Match 94.5%; Score 86; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.7e-07;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMAMNITS 18  
DB 11 RRRYDALNTVMAMNITS 28

## RESULT 9

US-10-856-499-1157  
; Sequence 1157, Application US/10856499  
; Publication No. US20040259145A1  
; GENERAL INFORMATION:  
; APPLICANT: Wood, Marion  
; APPLICANT: Shenk, Michael A.  
; APPLICANT: McGrath, Annette  
; APPLICANT: Glenn, Matthew  
; TITLE OF INVENTION: Compositions and Methods for the  
; TITLE OF INVENTION: Modification of Gene Transcription  
; FILE REFERENCE: 11000.1021C2  
; CURRENT APPLICATION NUMBER: US/10/856,499  
; CURRENT FILING DATE: 2004-05-28  
; NUMBER OF SEQ ID NOS: 2370  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1157  
; LENGTH: 119  
; TYPE: PRT  
; ORGANISM: Pinus radiata  
US-10-856-499-1157

Query Match 94.5%; Score 86; DB 5; Length 119;  
Best Local Similarity 94.7%; Pred. No. 9.1e-07;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMAMNITSK 19  
DB 74 RRRYDALNTVMAMNITSK 92

RESULT 10  
US-10-856-499-1056  
; Sequence 1056, Application US/10856499  
; Publication No. US20040259145A1  
; GENERAL INFORMATION:  
; APPLICANT: Wood, Marion  
; APPLICANT: Shenk, Michael A.  
; APPLICANT: McGrath, Annette  
; APPLICANT: Glenn, Matthew  
; TITLE OF INVENTION: Compositions and Methods for the  
; TITLE OF INVENTION: Modification of Gene Transcription  
; FILE REFERENCE: 11000.1021C2  
; CURRENT APPLICATION NUMBER: US/10/856,499  
; CURRENT FILING DATE: 2004-05-28  
; NUMBER OF SEQ ID NOS: 2370  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1056  
; LENGTH: 120  
; TYPE: PRT  
; ORGANISM: Pinus radiata  
US-10-856-499-1056

Query Match 94.5%; Score 86; DB 5; Length 120;  
Best Local Similarity 94.7%; Pred. No. 9.1e-07;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMAMNITSK 19  
DB 73 RRRYDALNTVMAMNITSK 91

RESULT 11  
US-10-424-599-234773  
; Sequence 234773, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovacic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 234773  
; LENGTH: 165  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_54029C.1.pep  
US-10-424-599-234773

Query Match 94.5%; Score 86; DB 4; Length 165;  
Best Local Similarity 94.7%; Pred. No. 1.3e-06;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNTVMAMNITSK 19  
DB 145 RRRYDALNTVMAMNITSK 163

RESULT 12  
US-10-425-114-71403  
; Sequence 71403, Application US/10425114  
; Publication No. US20040034888A1



```

; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5313)B
; CURRENT FILING DATE: 2003-04-28
; CURRENT APPLICATION NUMBER: US/10/425,114
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 71403
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Zea mays subsp. mexicana
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMR07EOSINTE119B07_FLI.pap
US-10-425-114-71403

Query Match          94.5%; Score 86; DB 4; Length 207;
Best Local Similarity 94.7%; Pred. No. 1.7e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRYDALTVMNMNISK 19
Db 9 RRRYDALTVMNMNISK 27

RESULT 13
US-10-425-114-36974
; Sequence 36974, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5313)B
; CURRENT FILING DATE: 2003-04-28
; CURRENT APPLICATION NUMBER: US/10/425,114
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 36974
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3170-045-C12_FLI.pap
US-10-425-114-36974

Query Match          94.5%; Score 86; DB 4; Length 222;
Best Local Similarity 94.7%; Pred. No. 1.8e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRYDALTVMNMNISK 19
Db 30 RRRYDALTVMNMNISK 48

RESULT 14
US-10-425-115-272014
; Sequence 272014, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei

```

```

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5322)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 272014
; LENGTH: 301
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MFT4577_179669C.1.pap
US-10-425-115-272014

Query Match          94.5%; Score 86; DB 4; Length 301;
Best Local Similarity 94.7%; Pred. No. 2.6e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRYDALTVMNMNISK 19
Db 103 RRRYDALTVMNMNISK 121

RESULT 15
US-10-424-599-185947
; Sequence 185947, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5322)B
; CURRENT FILING DATE: 2003-04-28
; CURRENT APPLICATION NUMBER: US/10/424,599
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 185947
; LENGTH: 314
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_138923C.1.pap
US-10-424-599-185947

Query Match          94.5%; Score 86; DB 4; Length 314;
Best Local Similarity 94.7%; Pred. No. 2.7e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRYDALTVMNMNISK 19
Db 122 RRRYDALTVMNMNISK 140

RESULT 16
US-10-437-963-166158
; Sequence 166158, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Bing
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5322)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14

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; NUMBER OF SEQ ID NOS: 204966  
 ; SEQ ID NO 166158  
 ; LENGTH: 318  
 ; TYPE: PRT  
 ; ORGANISM: Oryza sativa  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_64895C.1.pep  
 US-10-437-963-166158

Query Match 94.5%; Score 86; DB 4; Length 318;  
 Best Local Similarity 94.7%; Pred. No. 2.8e-06;  
 Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVYDALNVTMMNIISK 19  
 DB 153 RRRVYDALNVTMMNIISK 171

RESULT 17  
 US-10-424-599-186648  
 ; Sequence 186648, Application US/10424599  
 ; Publication No. US20040031072A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Rosa Thomas J  
 ; APPLICANT: Kovalic David K  
 ; APPLICANT: Zhou Yihua  
 ; APPLICANT: Cao Yongwei  
 ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
 ; FILE REFERENCE: 38-21(53223)B  
 ; CURRENT APPLICATION NUMBER: US/10/424,599  
 ; NUMBER OF SEQ ID NOS: 285684  
 ; SEQ ID NO 186648  
 ; LENGTH: 320  
 ; TYPE: PRT  
 ; ORGANISM: Glycine max  
 ; FEATURE:  
 ; NAME/KEY: unsure  
 ; LOCATION: (1)..(320)  
 ; OTHER INFORMATION: unsure at all Xaa locations  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_139556C.1.pep  
 US-10-424-599-186648

Query Match 94.5%; Score 86; DB 4; Length 320;  
 Best Local Similarity 94.7%; Pred. No. 2.8e-06;  
 Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVYDALNVTMMNIISK 19  
 DB 124 RRRVYDALNVTMMNIISK 142

RESULT 18  
 US-10-739-930-6734  
 ; Sequence 6734, Application US/10739930  
 ; Publication No. US20040216190A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kovalic, David K.  
 ; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH  
 ; TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT  
 ; FILE REFERENCE: 38-21(53377)B  
 ; CURRENT APPLICATION NUMBER: US/10/739,930  
 ; CURRENT FILING DATE: 2003-12-18  
 ; NUMBER OF SEQ ID NOS: 11088  
 ; SEQ ID NO 6734  
 ; LENGTH: 385  
 ; TYPE: PRT  
 ; ORGANISM: Arabidopsis thaliana  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: ARATH-23APR03-C801\_1.p  
 US-10-739-930-6734

Query Match 94.5%; Score 86; DB 5; Length 385;  
 Best Local Similarity 94.7%; Pred. No. 3.5e-06;  
 Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVYDALNVTMMNIISK 19  
 DB 155 RRRVYDALNVTMMNIISK 173

RESULT 19  
 US-11-097-143-9348  
 ; Sequence 9348, Application US/11097143  
 ; Publication No. US20050208558A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Venter, J. Craig  
 ; APPLICANT: et al.  
 ; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
 ; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE  
 ; FILE REFERENCE: C1000728  
 ; CURRENT APPLICATION NUMBER: US/11/097,143  
 ; CURRENT FILING DATE: 2005-04-04  
 ; PRIOR APPLICATION NUMBER: 60/157,832  
 ; PRIOR FILING DATE: 1999-10-05  
 ; PRIOR APPLICATION NUMBER: 60/160,191  
 ; PRIOR FILING DATE: 1999-10-19  
 ; PRIOR APPLICATION NUMBER: 60/161,932  
 ; PRIOR FILING DATE: 1999-10-28  
 ; PRIOR APPLICATION NUMBER: 60/164,769  
 ; PRIOR FILING DATE: 1999-11-12  
 ; PRIOR APPLICATION NUMBER: 60/173,383  
 ; PRIOR FILING DATE: 1999-12-28  
 ; PRIOR APPLICATION NUMBER: 60/175,693  
 ; PRIOR FILING DATE: 2000-01-12  
 ; PRIOR APPLICATION NUMBER: 60/184,831  
 ; PRIOR FILING DATE: 2000-02-24  
 ; PRIOR APPLICATION NUMBER: 60/191,637  
 ; PRIOR FILING DATE: 2000-03-23  
 ; NUMBER OF SEQ ID NOS: 43008  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 9348  
 ; LENGTH: 445  
 ; TYPE: PRT  
 ; ORGANISM: DROSOPHILA  
 US-11-097-143-9348

Query Match 94.5%; Score 86; DB 6; Length 445;  
 Best Local Similarity 89.5%; Pred. No. 4.1e-06;  
 Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVYDALNVTMMNIISK 19  
 DB 216 RRRVYDALNVTMMNIISK 234

RESULT 20  
 US-10-437-963-167076  
 ; Sequence 167076, Application US/10437963  
 ; Publication No. US20040123343A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Rosa, Thomas J.  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Wu, Wei  
 ; APPLICANT: Boukharov, Andrey A.  
 ; APPLICANT: Barbazuk, Brad  
 ; APPLICANT: Li, Ping  
 ; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
 ; FILE REFERENCE: 38-21(53221)B  
 ; CURRENT APPLICATION NUMBER: US/10/437,963

OTHER INFORMATION: Clone ID: MRT4577\_101857C.1.pep  
US-10-425-115-186696  
CURRENT FILING DATE: 2003-05-14  
NUMBER OF SEQ ID NOS: 204966  
SEQ ID NO 167076  
LENGTH: 263  
TYPE: PRT  
ORGANISM: Oryza sativa  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT4530\_65721C.1.pep  
US-10-437-963-167076

Query Match 93.4%; Score 85; DB 4; Length 263;  
Best Local Similarity 94.7%; Pred. No. 3.3e-06;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RRRYDALTVMAMNITK 19  
Db 155 RRRYDALTVMAMNITK 173

RESULT 21  
US-10-425-114-46555  
Sequence 46555, Application US/10425114  
Publication No. US20040034888A1  
GENERAL INFORMATION:  
APPLICANT: Liu, Jingdong  
APPLICANT: Zhou, Yihua  
APPLICANT: Kovalic, David K.  
APPLICANT: Screen, Steven E.  
APPLICANT: Tabaka, Jack E.  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(5313)B  
CURRENT APPLICATION NUMBER: US/10/425,114  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 73128  
SEQ ID NO 46555  
LENGTH: 336  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: 700347688\_FLI.pep  
US-10-425-114-46555

Query Match 93.4%; Score 85; DB 4; Length 336;  
Best Local Similarity 94.7%; Pred. No. 4.4e-06;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RRRYDALTVMAMNITK 19  
Db 139 RRRYDALTVMAMNITK 157

RESULT 22  
US-10-425-115-186696  
Sequence 186696, Application US/10425115  
Publication No. US20040214272A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
TITLE OF INVENTION: Plants  
FILE REFERENCE: 38-21(53222)B  
CURRENT APPLICATION NUMBER: US/10/425,115  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 369326  
SEQ ID NO 186696  
LENGTH: 341  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:

OTHER INFORMATION: Clone ID: MRT4577\_101857C.1.pep  
US-10-425-115-186696

Query Match 93.4%; Score 85; DB 4; Length 341;  
Best Local Similarity 94.7%; Pred. No. 4.5e-06;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RRRYDALTVMAMNITK 19  
Db 144 RRRYDALTVMAMNITK 162

RESULT 23  
US-09-220-091-7  
Sequence 7, Application US/09220091  
Patent No. US20020064523A1  
GENERAL INFORMATION:  
APPLICANT: H. Robert Horvitz  
APPLICANT: Craig Ceol  
APPLICANT: Xiaowei Lu  
TITLE OF INVENTION: A TUMOR SUPPRESSOR PATHWAY IN C. ELEGANS  
FILE REFERENCE: 01997/202003  
CURRENT APPLICATION NUMBER: US/09/220,091  
CURRENT FILING DATE: 1998-12-23  
EARLIER APPLICATION NUMBER: 60/047,996  
EARLIER FILING DATE: 1997-05-28  
EARLIER APPLICATION NUMBER: 09/087,136  
EARLIER FILING DATE: 1998-05-28  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 7  
LENGTH: 575  
TYPE: PRT  
ORGANISM: Caenorhabditis elegans  
US-09-220-091-7

Query Match 93.4%; Score 85; DB 3; Length 575;  
Best Local Similarity 89.5%; Pred. No. 8.1e-06;  
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRYDALTVMAMNITK 19  
Db 102 RRRYDALTVMAMNITK 120

RESULT 24  
US-09-900-147-15  
Sequence 15, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandara, Lasantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900,147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 15  
LENGTH: 19  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-15

Query Match 91.2%; Score 83; DB 3; Length 19;  
Best Local Similarity 89.5%; Pred. No. 3.6e-07;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

ORGANISM: Homo sapiens  
US-10-345-837-24

Query Match 89.0%; Score 81; DB 4; Length 405;  
Best Local Similarity 84.2%; Pred. No. 2.6e-05;  
Matches 16; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMAMNITISK 19  
Db 161 RRRVYDALNTVMAMNITISK 179

RESULT 29  
US-09-900-147-17  
; Sequence 17, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 17  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-17

Query Match 86.8%; Score 79; DB 3; Length 19;  
Best Local Similarity 89.5%; Pred. No. 1.8e-06;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMAMNITISK 19  
Db 1 RRRVYDALNTVMAMNITISK 19

RESULT 30  
US-09-900-147-16  
; Sequence 16, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: Bandaru, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 16  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-16

Query Match 84.6%; Score 77; DB 3; Length 19;  
Best Local Similarity 89.5%; Pred. No. 3.9e-06;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRRVYDALNTVMAMNITISK 19  
Db 1 RRRVYDALNTVMAMNITISK 19

RESULT 31  
US-09-900-147-5  
; Sequence 5, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: Bandaru, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 16  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-5

Query Match 83.5%; Score 76; DB 3; Length 16;  
Best Local Similarity 100.0%; Pred. No. 4.7e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 RRVYDALNTVMAMNITIS 18  
Db 1 RRVYDALNTVMAMNITIS 16

RESULT 32  
US-10-752-505-26  
; Sequence 26, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamaseaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; PRIOR FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 26  
; LENGTH: 29  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; NAME/KEY: Modified-site  
; LOCATION: 1-10 and 26-29  
; OTHER INFORMATION: any one or all of amino acids 1-10 and 26-29 may be present or absent  
; NAME/KEY: Modified-site  
; LOCATION: 1

OTHER INFORMATION: Xaa at position 1 represents Asn, Thr, Ala or Tyr  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 2  
OTHER INFORMATION: Xaa at position 2 represents Glu or Asp  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 3  
OTHER INFORMATION: Xaa at position 3 represents Ser or Asn  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 5  
OTHER INFORMATION: Xaa at position 5 represents Ala or Asn  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 6  
OTHER INFORMATION: Xaa at position 6 represents Tyr or Cys  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 9  
OTHER INFORMATION: Xaa at position 9 represents Lys or Glu  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 25  
OTHER INFORMATION: Xaa at position 25 represents Met or Ile  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 27  
OTHER INFORMATION: Xaa at position 27 represents Ile or Val  
US-10-752-505-26

Query Match 82.4%; Score 75; DB 5; Length 29;  
Best Local Similarity 88.9%; Pred. No. 1.4e-05;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRRVYDALNTLMANNITISK 18  
DB 12 RRRVYDALNTLMANNITISK 29

RESULT 33  
US-10-489-500-4  
Sequence 4, Application US/10489500  
Publication No. US20050059154A1  
GENERAL INFORMATION:  
APPLICANT: Tom Beeckman  
APPLICANT: Eleven De Veylder  
APPLICANT: Dirk Inze  
APPLICANT: Vladimir Mironov  
APPLICANT: Willem Broekaert  
APPLICANT: Willy Dillen  
APPLICANT: Valerie Frankard  
TITLE OF INVENTION: A METHOD TO MODIFY CELL NUMBER, ARCHITECTURE AND YIELD OF PLANTS  
TITLE OF INVENTION: OVEREXPRESSION OF THE E2F TRANSCRIPTION FACTOR  
FILE REFERENCE: 1187-34  
CURRENT APPLICATION NUMBER: US/10/489,500  
CURRENT FILING DATE: 2004-03-12  
PRIOR APPLICATION NUMBER: EP 01870198.7  
PRIOR FILING DATE: 2001-09-14  
PRIOR APPLICATION NUMBER: PCT/EP02/10236  
PRIOR FILING DATE: 2002-09-12  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 4  
LENGTH: 292  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
US-10-489-500-4

Query Match 80.2%; Score 73; DB 5; Length 292;  
Best Local Similarity 73.7%; Pred. No. 0.00042;  
Matches 14; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRRVYDALNTLMANNITISK 19  
DB 106 RRRVYDALNTLMANNITISK 124

RESULT 34  
US-09-900-147-6  
Sequence 6, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandara, Laxantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900,147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 6  
LENGTH: 30  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-6

Query Match 79.1%; Score 72; DB 3; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.7e-05;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 YDALNTLMANNITISK 19  
DB 1 YDALNTLMANNITISK 15

RESULT 35  
US-10-425-115-18878  
Sequence 18878, Application US/10425115  
Publication No. US20040214272A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
TITLE OF INVENTION: Plants  
FILE REFERENCE: 38-21(53222)B  
CURRENT APPLICATION NUMBER: US/10/425,115  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 369326  
SEQ ID NO 18878  
LENGTH: 250  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1)..(250)  
OTHER INFORMATION: unsure at all Xaa locations  
FEATURE:  
OTHER INFORMATION: Clone ID: MRT4577\_103754C.1.pep  
US-10-425-115-18878

Query Match 76.9%; Score 70; DB 4; Length 250;  
Best Local Similarity 68.4%; Pred. No. 0.0012;  
Matches 13; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRRVYDALNTLMANNITISK 19  
DB 109 RRRVYDALNTLMANNITISK 127

RESULT 36  
US-09-900-147-11  
; Sequence 11, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 630-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; CURRENT FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-11

Query Match 75.8%; Score 69; DB 3; Length 14;  
Best Local Similarity 100.0%; Pred. No. 6.4e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 2 RRRYDALTVMAMN 15  
Db 1 RRYVDALTVMAMN 14

RESULT 37  
US-10-437-963-136371  
; Sequence 136371, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 136371  
; LENGTH: 369  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_37957C.1.pep  
US-10-437-963-136371

Query Match 75.8%; Score 69; DB 4; Length 369;  
Best Local Similarity 68.4%; Pred. No. 0.0027;  
Matches 13; Conservative 4; Mismatches 2; Indels 0; Gaps 0;  
Qy 1 RRRYDALTVMAMNISK 19  
Db 221 RRRYDALTVMAMNISK 239

RESULT 38

US-10-752-505-23  
; Sequence 23, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaki, Motoso  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 23  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-752-505-23

Query Match 74.7%; Score 68; DB 5; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.0001;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 RRRYDALTVMAMN 14  
Db 2 RRRYDALTVMAMN 15

RESULT 39  
US-10-450-763-35867  
; Sequence 35867, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyeeg, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 35867  
; LENGTH: 185  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-450-763-35867

Query Match 73.6%; Score 67; DB 5; Length 185;  
Best Local Similarity 78.9%; Pred. No. 0.0027;  
Matches 15; Conservative 2; Mismatches 2; Indels 0; Gaps 0;  
Qy 1 RRRYDALTVMAMNISK 19  
Db 152 RRRYDALTVMAMNISK 170

RESULT 40  
US-10-752-505-4  
; Sequence 4, Application US/10752505

```
/ Publication No. US20050137138A1
/ GENERAL INFORMATION:
/ APPLICANT: Shubata, Kenji
/ APPLICANT: Yamanaaki, Motoo
/ APPLICANT: Yoshida, Tetsuo
/ APPLICANT: Mizukami, Tamio
/ TITLE OF INVENTION: E2F Activity-Inhibiting Compound
/ FILE REFERENCE: 766.29
/ CURRENT APPLICATION NUMBER: US/10/752,505
/ PRIOR FILING DATE: 2004-01-08
/ PRIOR APPLICATION NUMBER: US/09/269,576
/ PRIOR FILING DATE: 1999-03-30
/ PRIOR APPLICATION NUMBER: PCT/JP97/03442
/ PRIOR FILING DATE: 1997-09-26
/ PRIOR APPLICATION NUMBER: JP 259432/1996
/ PRIOR FILING DATE: 1996-09-30
/ NUMBER OF SEQ ID NOS: 27
/ SOFTWARE: WordPerfect 8
/ SEQ ID NO 4
/ LENGTH: 15
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic
/ NAME/KEY: Modified-site
/ LOCATION: 1
/ OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-isoleucine
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 15
/ OTHER INFORMATION: Xaa at position 15 representing L-methioninamide
/ US-10-752-505-4

Query Match          69.2%; Score 63; DB 5; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.00074;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 RRRVYDALNVLMA 13
Db      2 RRRVYDALNVLMA 14
```

```
RESULT 41
US-09-864-761-45697
/ Sequence 45697, Application US/09864761
/ Patent No. US20020048763A1
/ GENERAL INFORMATION:
/ APPLICANT: Penn, Sharon G.
/ APPLICANT: Rank, David R.
/ APPLICANT: Hanzel, David K.
/ APPLICANT: Chen, Wensheng
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
/ FILE REFERENCE: Aeomica-X-1
/ CURRENT APPLICATION NUMBER: US/09/864,761
/ PRIOR FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/180,312
/ PRIOR FILING DATE: 2000-02-04
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 09/632,366
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
```

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/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 09/608,408
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: US 09/774,203
/ PRIOR FILING DATE: 2001-01-29
/ NUMBER OF SEQ ID NOS: 49117
/ SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 45697
/ LENGTH: 96
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO AC021804.3
/ OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.89
/ OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.99
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.9
/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.88
/ OTHER INFORMATION: EXPRESSED IN PETAL LIVER, SIGNAL = 0.75
/ OTHER INFORMATION: EST HUMAN HIT: BR880658.1, EVALU8 2.00e-51
/ OTHER INFORMATION: SWISSPROT HIT: Q61501, EVALU8 5.00e-06
/ US-09-864-761-45697

Query Match          63.7%; Score 58; DB 3; Length 96;
Best Local Similarity 47.4%; Pred. No. 0.044;
Matches 9; Conservative 8; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 RRRVYDALNVLMAITISK 19
Db      3 RRRYDIYVWVLSIHVSR 21
```

```
RESULT 42
US-10-732-923-3274
/ Sequence 3274, Application US/10732923
/ Publication No. US20050108791A1
/ GENERAL INFORMATION:
/ APPLICANT: Edgeron, Michael D
/ TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
/ FILE REFERENCE: 38-15(52796)C
/ CURRENT APPLICATION NUMBER: US/10/732,923
/ PRIOR FILING DATE: 2003-12-10
/ PRIOR APPLICATION NUMBER: 10/310,154
/ PRIOR FILING DATE: 2002-12-04
/ NUMBER OF SEQ ID NOS: 24149
/ SEQ ID NO 3274
/ LENGTH: 323
/ TYPE: PRT
/ ORGANISM: Arabidopsis thaliana
/ US-10-732-923-3274
```

```
Query Match          63.7%; Score 58; DB 5; Length 323;
Best Local Similarity 61.1%; Pred. No. 0.18;
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
```

```
QY      2 RRRVYDALNVLMAITISK 19
Db      162 RRLYDIYVWVLSIHVSR 179
```



## RESULT 43

US-10-310-154-448  
; Sequence 448, Application US/10310154  
; Publication No. US20030233670A1  
; GENERAL INFORMATION:  
; APPLICANT: Edgerton, Michael D  
; APPLICANT: Chomet, Paul S.  
; APPLICANT: Adams, Thomas H  
; APPLICANT: Ruff, Thomas G.  
; APPLICANT: Agarwal, Ameeta K.  
; APPLICANT: Ahrens, Jeffrey E.  
; APPLICANT: Ball, James A.  
; APPLICANT: Banu, G.  
; APPLICANT: Bell, Erin  
; APPLICANT: Boddupalli, Raghava  
; APPLICANT: Deikman, Jill  
; APPLICANT: Deng, Molian  
; APPLICANT: Dong, Jinhua  
; APPLICANT: Duff, Stephen M.  
; APPLICANT: Galligan, Meghan M.  
; APPLICANT: Hinchey, Brenda S.  
; APPLICANT: Huang, Shihshieh  
; APPLICANT: Johnson, G. Richard  
; APPLICANT: Jung, Vincent  
; APPLICANT: Kretzmer, Keith A.  
; APPLICANT: Laccetti, Lucille B.  
; APPLICANT: Lai, Chao-Qiang  
; APPLICANT: Lee, Gary  
; APPLICANT: Lin, Jie-Yi  
; APPLICANT: Liu, Jingtong  
; APPLICANT: Lu, Bin  
; APPLICANT: Luethy, Michael M.  
; APPLICANT: Lund, Adrian  
; APPLICANT: Madson, Linda L.  
; APPLICANT: Malloy, Kathleen A.  
; APPLICANT: McKiel, Christine L.  
; APPLICANT: Miller, Philip W.  
; APPLICANT: Padmavathi, Manikant  
; APPLICANT: Parnell, Laurence D.  
; APPLICANT: Start, William G.  
; APPLICANT: Tennesen, Dan  
; APPLICANT: Vidya, K.R.  
; APPLICANT: Wang, Haiyun  
; APPLICANT: Xin, Zhanguo  
; APPLICANT: Xu, Nanfei  
; APPLICANT: Yang, Chunzhi  
; APPLICANT: Zeng, Xiaoping  
; APPLICANT: Zhang, Qiang  
; APPLICANT: Zhao, Yajuan  
; APPLICANT: Zhou, Li  
; TITLE OF INVENTION: Gene Sequences and Uses Thereof in Plants  
; FILE REFERENCE: 38-15(52796)B  
; CURRENT APPLICATION NUMBER: US/10/310,154  
; CURRENT FILING DATE: 2002-12-04  
; PRIOR APPLICATION NUMBER: 60/337,358  
; PRIOR FILING DATE: 2001-12-04  
; NUMBER OF SEQ ID NOS: 736  
; SEQ ID NO 448  
; LENGTH: 346  
; TYPE: PRT  
; ORGANISM: Glycine max  
US-10-310-154-448

Query Match 63.7%; Score 58; DB 4; Length 346;  
Best Local Similarity 61.1%; Pred. No. 0.19;  
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 2 RRYVDALNVLMANNIISK 19  
DB 192 RRLYDIANVLSSMWLIKK 209

## RESULT 44

US-10-732-923-3273  
; Sequence 3273, Application US/10732923  
; Publication No. US20050108791A1  
; GENERAL INFORMATION:  
; APPLICANT: Edgerton, Michael D  
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES  
; FILE REFERENCE: 38-15(52796)C  
; CURRENT APPLICATION NUMBER: US/10/732,923  
; CURRENT FILING DATE: 2003-12-10  
; PRIOR APPLICATION NUMBER: 10/310,154  
; PRIOR FILING DATE: 2002-12-04  
; NUMBER OF SEQ ID NOS: 24149  
; SEQ ID NO 3273  
; LENGTH: 379  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
US-10-732-923-3273

Query Match 63.7%; Score 58; DB 5; Length 379;  
Best Local Similarity 61.1%; Pred. No. 0.21;  
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 RRYVDALNVLMANNIISK 19  
DB 218 RRLYDIANVLSSMWLIKK 235

## RESULT 45

US-10-425-114-40179  
; Sequence 40179, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingtong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaka, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 40179  
; LENGTH: 381  
; TYPE: PRT  
; ORGANISM: Glycine max  
; OTHER INFORMATION: Clone ID: 701055086\_FLI.pep  
US-10-425-114-40179

Query Match 63.7%; Score 58; DB 4; Length 381;  
Best Local Similarity 61.1%; Pred. No. 0.21;  
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 RRYVDALNVLMANNIISK 19  
DB 207 RRLYDIANVLSSMWLIKK 224

## RESULT 46

US-10-732-923-534  
; Sequence 534, Application US/10732923  
; Publication No. US20050108791A1  
; GENERAL INFORMATION:  
; APPLICANT: Edgerton, Michael D  
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES  
; FILE REFERENCE: 38-15(52796)C  
; CURRENT APPLICATION NUMBER: US/10/732,923  
; CURRENT FILING DATE: 2003-12-10

```

; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 534
; LENGTH: 402
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(402)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-732-923-534

```

```

Query Match      63.7%; Score 58; DB 5; Length 402;
Best Local Similarity 61.1%; Pred. No. 0.23;
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

```

```

QY      2 RRYVDALNTVMANNITISK 19
Db      218 RRLYDIANVLSSMWLIK 235

```

```

RESULT 47
US-10-732-923-3272
; Sequence 3272, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 3272
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-732-923-3272

```

```

Query Match      63.7%; Score 58; DB 5; Length 403;
Best Local Similarity 61.1%; Pred. No. 0.23;
Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

```

```

QY      2 RRYVDALNTVMANNITISK 19
Db      218 RRLYDIANVLSSMWLIK 235

```

```

RESULT 48
US-10-732-923-3265
; Sequence 3265, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 3265
; LENGTH: 421
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-732-923-3265

```

```

Query Match      63.7%; Score 58; DB 5; Length 421;
Best Local Similarity 47.4%; Pred. No. 0.24;
Matches 9; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 RRYVDALNTVMANNITISK 19
Db      184 RRLYDIANVLSSHLVSR 202

```

```

RESULT 49
US-10-732-923-3267
; Sequence 3267, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 3267
; LENGTH: 878
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-732-923-3267

```

```

Query Match      63.7%; Score 58; DB 5; Length 878;
Best Local Similarity 47.4%; Pred. No. 0.55;
Matches 9; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 RRYVDALNTVMANNITISK 19
Db      184 RRLYDIANVLSSHLVSR 202

```

```

RESULT 50
US-09-866-050A-672
; Sequence 672, Application US/09866050A
; Publication No. US20030040471A1
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Steeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c4U
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 672
; LENGTH: 904
; TYPE: PRT
; ORGANISM: Mouse
US-09-866-050A-672

```

```

Query Match      63.7%; Score 58; DB 3; Length 904;
Best Local Similarity 47.4%; Pred. No. 0.57;
Matches 9; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 RRYVDALNTVMANNITISK 19
Db      184 RRLYDIANVLSSHLVSR 202

```

```

Search completed: March 17, 2006, 21:18:58
Job time : 148.25 secs

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GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2006, 20:52:32 ; Search time 36.7045 Seconds  
(without alignments)  
42.797 Million cell updates/sec

Title: US-09-900-147-3

Perfect score: 91  
Sequence: 1 RRRVYDALNVTLMNIIISK 19

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 1000 summaries

Database :

Issued Patents\_Aa:\*

- 1: /cgn2\_6/prodata/1/iaa/5.COMB.pep:\*
- 2: /cgn2\_6/prodata/1/iaa/6.COMB.pep:\*
- 3: /cgn2\_6/prodata/1/iaa/H.COMB.pep:\*
- 4: /cgn2\_6/prodata/1/iaa/PCYUS.COMB.pep:\*
- 5: /cgn2\_6/prodata/1/iaa/RG.COMB.pep:\*
- 6: /cgn2\_6/prodata/1/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	91	100.0	19	2	US-09-308-935-3
2	91	100.0	37	2	US-09-308-935-1
3	91	100.0	72	1	US-08-428-131-11
4	91	100.0	72	2	US-09-078-596-11
5	91	100.0	72	2	US-08-894-139-10
6	91	100.0	331	2	US-09-949-016-9220
7	91	100.0	369	1	US-08-723-415B-4
8	91	100.0	369	2	US-09-189-627A-4
9	91	100.0	370	1	US-09-710-861-4
10	91	100.0	370	1	US-08-723-415B-6
11	91	100.0	370	2	US-09-189-627A-6
12	91	100.0	370	2	US-09-710-861-6
13	91	100.0	385	1	US-08-723-415B-8
14	91	100.0	385	2	US-09-189-627A-8
15	91	100.0	385	2	US-09-710-861-8
16	91	100.0	410	1	US-08-723-415B-10
17	91	100.0	410	1	US-08-723-415B-11
18	91	100.0	410	1	US-08-428-131-2
19	91	100.0	410	1	US-08-602-846-2
20	91	100.0	410	2	US-09-078-596-2
21	91	100.0	410	2	US-09-189-627A-10
22	91	100.0	410	2	US-09-189-627A-11
23	91	100.0	410	2	US-09-710-861-10
24	91	100.0	410	2	US-09-710-861-11
25	91	100.0	415	2	US-09-949-016-8808
26	91	100.0	446	1	US-08-723-415B-2
27	91	100.0	446	2	US-09-189-627A-2

28	91	100.0	446	2	US-09-710-861-2	Sequence 2, Appli
29	86	94.5	28	2	US-09-269-576G-22	Sequence 22, Appli
30	86	94.5	28	2	US-09-269-576G-24	Sequence 24, Appli
31	86	94.5	119	2	US-09-640-211A-1157	Sequence 1157, Ap
32	86	94.5	120	2	US-09-640-211A-1056	Sequence 1056, Ap
33	83	91.2	19	2	US-09-308-935-15	Sequence 15, Appli
34	82	90.1	28	2	US-09-269-576G-3	Sequence 3, Appli
35	82	90.1	28	2	US-09-269-576G-21	Sequence 21, Appli
36	81	89.0	17	1	US-08-428-131-13	Sequence 13, Appli
37	81	89.0	17	2	US-09-078-596-13	Sequence 17, Appli
38	79	86.8	19	2	US-09-308-935-17	Sequence 17, Appli
39	77	84.6	19	2	US-09-308-935-16	Sequence 16, Appli
40	76	83.5	16	2	US-09-308-935-5	Sequence 5, Appli
41	75	82.4	29	2	US-09-269-576G-26	Sequence 26, Appli
42	72	79.1	30	2	US-09-308-935-6	Sequence 6, Appli
43	69	75.8	14	2	US-09-308-935-11	Sequence 11, Appli
44	68	74.7	15	2	US-09-269-576G-23	Sequence 23, Appli
45	63	69.2	15	2	US-09-269-576G-4	Sequence 4, Appli
46	54	59.3	11	2	US-09-308-935-9	Sequence 9, Appli
47	51	56.0	20	2	US-09-308-935-4	Sequence 4, Appli
48	51	56.0	73	1	US-08-428-131-12	Sequence 12, Appli
49	51	56.0	73	2	US-09-078-596-12	Sequence 12, Appli
50	51	56.0	74	2	US-08-894-139-5	Sequence 5, Appli
51	51	56.0	74	2	US-08-894-139-7	Sequence 7, Appli
52	51	56.0	75	2	US-08-894-139-9	Sequence 9, Appli
53	51	56.0	85	2	US-09-932-581-5	Sequence 5, Appli
54	51	56.0	183	2	US-09-949-016-7150	Sequence 7150, Ap
55	51	56.0	196	1	US-08-481-814A-9	Sequence 9, Appli
56	51	56.0	333	2	US-09-949-016-10072	Sequence 10072, A
57	51	56.0	335	2	US-08-894-139-4	Sequence 4, Appli
58	51	56.0	345	2	US-09-919-497-61	Sequence 61, Appli
59	51	56.0	346	2	US-08-894-139-2	Sequence 2, Appli
60	51	56.0	346	2	US-09-949-016-6150	Sequence 6150, Ap
61	51	56.0	437	1	US-08-136-119-4	Sequence 4, Appli
62	51	56.0	437	1	US-07-882-711-2	Sequence 2, Appli
63	51	56.0	437	1	US-08-723-415B-13	Sequence 13, Appli
64	51	56.0	437	1	US-08-481-814A-6	Sequence 6, Appli
65	51	56.0	437	1	US-08-462-174-2	Sequence 2, Appli
66	51	56.0	437	2	US-08-801-092-1	Sequence 1, Appli
67	51	56.0	437	2	US-09-189-627A-13	Sequence 13, Appli
68	51	56.0	437	2	US-09-242-737-2	Sequence 2, Appli
69	51	56.0	437	2	US-09-315-113-1	Sequence 1, Appli
70	51	56.0	437	2	US-09-710-861-13	Sequence 13, Appli
71	51	56.0	437	2	US-09-315-113-1	Sequence 1, Appli
72	51	56.0	476	1	US-08-139-937-14	Sequence 14, Appli
73	51	56.0	476	4	PCT-US93-11310-14	Sequence 10251, A
74	51	56.0	478	2	US-09-949-016-10251	Sequence 8, Appli
75	50	54.9	69	2	US-08-894-139-8	Sequence 8, Appli
76	50	54.9	76	2	US-09-932-581-6	Sequence 6, Appli
77	50	54.9	189	2	US-09-949-016-7562	Sequence 7562, Ap
78	50	54.9	413	1	US-08-481-814A-8	Sequence 8, Appli
79	50	54.9	413	2	US-08-836-582-2	Sequence 2, Appli
80	50	54.9	413	2	US-09-265-566-2	Sequence 2, Appli
81	50	54.9	413	2	US-09-242-737-4	Sequence 4, Appli
82	50	54.9	435	2	US-09-949-016-9671	Sequence 9671, Ap
83	49	53.8	74	2	US-08-894-139-6	Sequence 6, Appli
84	49	53.8	437	1	US-08-136-119-2	Sequence 2, Appli
85	49	53.8	437	1	US-08-81-814A-7	Sequence 7, Appli
86	45	49.5	29	2	US-09-269-576G-1	Sequence 1, Appli
87	45	49.5	29	2	US-09-269-576G-20	Sequence 20, Appli
88	45	49.5	74	2	US-09-583-110-4963	Sequence 4963, Ap
89	44	48.4	17	1	US-08-428-131-14	Sequence 14, Appli
90	44	48.4	17	2	US-09-078-596-14	Sequence 14, Appli
91	42	46.2	9	2	US-09-308-935-2	Sequence 2, Appli
92	42	46.2	304	2	US-09-107-433-3248	Sequence 3248, Ap
93	42	46.2	322	2	US-09-583-110-4444	Sequence 4444, Ap
94	40	44.0	25	2	US-08-604-965B-1	Sequence 1, Appli
95	40	44.0	29	2	US-09-269-576G-25	Sequence 25, Appli
96	40	44.0	40	2	US-08-604-965B-2	Sequence 2, Appli
97	40	44.0	42	6	5258287-4	Patent No. 5258287
98	40	44.0	82	2	US-09-445-480D-30	Sequence 30, Appli
99	40	44.0	85	2	US-08-604-965B-9	Sequence 9, Appli
100	40	44.0	264	1	US-08-482-271-3	Sequence 3, Appli

101	40	44.0	254	1	US-08-482-271-4	Sequence 4, Appl1	174	36	39.6	497	2	US-09-489-039A-12364	Sequence 12364, A
102	40	44.0	254	1	US-08-854-811-45	Sequence 45, Appl1	175	36	39.6	501	2	US-09-248-796A-15119	Sequence 15119, A
103	40	44.0	254	2	US-09-080-120A-2	Sequence 2, Appl1	176	36	39.6	504	2	US-09-949-016-7935	Sequence 7935, Ap
104	40	44.0	254	2	US-09-080-120A-4	Sequence 4, Appl1	177	36	39.6	506	2	US-09-949-016-7650	Sequence 7650, Ap
105	40	44.0	254	2	US-09-332-484-1	Sequence 1, Appl1	178	36	39.6	544	2	US-09-198-452A-180	Sequence 180, App
106	40	44.0	254	2	US-09-089-062-1	Sequence 1, Appl1	179	36	39.6	556	2	US-09-438-185A-162	Sequence 162, App
107	40	44.0	254	2	US-10-215-759-18	Sequence 18, Appl1	180	36	39.6	621	2	US-09-026-001A-6	Sequence 6, Appl1
108	40	44.0	254	2	US-10-215-759-19	Sequence 19, Appl1	181	36	39.6	621	2	US-09-926-620-6	Sequence 6, Appl1
109	40	44.0	254	2	US-10-264-672-18	Sequence 18, Appl1	182	36	39.6	643	2	US-09-196-270-3	Sequence 236, App
110	40	44.0	254	2	US-10-264-672-19	Sequence 19, Appl1	183	36	39.6	883	2	US-09-489-039A-13542	Sequence 13542, A
111	40	44.0	254	2	US-10-383-999-18	Sequence 18, Appl1	184	36	39.6	916	2	US-09-538-092-863	Sequence 863, App
112	40	44.0	254	2	US-10-383-999-19	Sequence 19, Appl1	185	36	39.6	916	2	US-09-949-016-6611	Sequence 6611, Ap
113	40	44.0	254	4	PCT-US95-08925-2	Sequence 2, Appl1	186	36	39.6	916	2	US-09-949-016-6611	Sequence 11417, A
114	40	44.0	254	4	PCT-US95-08925-4	Sequence 4, Appl1	187	36	39.6	916	2	US-09-949-016-6611	Sequence 5103, Ap
115	40	44.0	277	4	US-10-104-047-3046	Sequence 3046, Ap	188	36	39.6	928	2	US-09-328-352-5103	Sequence 911, App
116	40	44.0	291	1	US-08-468-847B-19	Sequence 19, Appl1	189	36	39.6	1020	2	US-09-538-092-911	Sequence 88, Appl1
117	40	44.0	291	2	US-09-080-120A-7	Sequence 7, Appl1	190	36	39.6	1109	2	US-09-291-417D-88	Sequence 88, Appl1
118	40	44.0	291	2	US-09-702-705-333	Sequence 333, App	191	36	39.6	3241	2	US-09-841-786-1	Sequence 1, Appl1
119	40	44.0	291	2	US-09-736-457-333	Sequence 333, App	192	36	39.6	3241	2	US-09-248-796A-17649	Sequence 17649, A
120	40	44.0	291	2	US-09-614-124B-333	Sequence 333, App	193	35.5	39.0	613	2	US-09-026-001A-10	Sequence 10, Appl1
121	40	44.0	291	2	US-09-671-325-333	Sequence 333, App	194	35.5	39.0	613	2	US-09-996-620-10	Sequence 10, Appl1
122	40	44.0	291	2	US-09-589-184-333	Sequence 333, App	195	35.5	39.0	613	2	US-09-996-620-10	Sequence 18, Appl1
123	40	44.0	291	2	US-09-658-824-333	Sequence 333, App	196	35.5	39.0	621	2	US-09-026-001A-18	Sequence 18, Appl1
124	40	44.0	291	2	US-10-017-754-333	Sequence 333, App	197	35.5	39.0	621	2	US-09-996-620-10	Sequence 18, Appl1
125	40	44.0	291	2	US-09-651-563-333	Sequence 333, App	198	35.5	38.5	67	2	US-09-134-001C-44216	Sequence 4216, Ap
126	40	44.0	291	2	US-09-519-642-333	Sequence 7, Appl1	199	35	38.5	77	2	US-09-540-236-3175	Sequence 3175, Ap
127	40	44.0	291	4	PCT-US95-08925-7	Sequence 7, Appl1	200	35	38.5	109	2	US-09-540-236-3175	Sequence 5248, Ap
128	40	44.0	291	6	5212074-5	Patent No. 5212074	201	35	38.5	125	2	US-09-710-279-2246	Sequence 2246, Ap
129	40	44.0	292	6	5258287-24	Patent No. 5258287	202	35	38.5	125	2	US-09-665-819A-10	Sequence 10, Appl1
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131	40	44.0	335	2	US-09-419-679-6	Sequence 6, Appl1	204	35	38.5	116	2	US-09-902-540-10219	Sequence 9, Appl1
132	39.5	43.4	345	2	US-09-419-679-8	Sequence 8, Appl1	205	35	38.5	154	2	US-09-955-732A-9	Sequence 9, Appl1
133	39	42.9	345	2	US-09-543-681A-5419	Sequence 5419, Ap	206	35	38.5	159	2	US-09-544-716-17	Sequence 17, Appl1
134	38	41.8	379	2	US-09-902-540-15163	Sequence 15163, A	207	35	38.5	169	2	US-09-557-921-18	Sequence 18, Appl1
135	38	41.8	447	2	US-09-248-796A-22377	Sequence 22377, A	208	35	38.5	169	2	US-09-564-357-20	Sequence 20, Appl1
136	38	41.8	688	2	US-09-543-681A-4886	Sequence 4886, Ap	209	35	38.5	169	2	US-09-619-380-19	Sequence 19, Appl1
137	38	41.8	1256	2	US-09-248-796A-18057	Sequence 18057, A	210	35	38.5	169	2	US-09-544-517-19	Sequence 19, Appl1
138	38	41.8	3666	1	US-08-222-617A-12	Sequence 12, Appl1	211	35	38.5	169	2	US-09-527-376-14	Sequence 14, Appl1
139	38	41.8	3727	1	US-08-222-617A-27	Sequence 27, Appl1	212	35	38.5	169	2	US-09-775-925-29	Sequence 29, Appl1
140	38	41.8	3778	1	US-08-232-617A-2	Sequence 2, Appl1	213	35	38.5	218	2	US-09-248-796A-14423	Sequence 14423, A
141	37	40.7	60	6	5258287-1	Patent No. 5258287	214	35	38.5	218	2	US-09-270-767-34437	Sequence 34437, A
142	37	40.7	63	2	US-09-248-796A-25207	Sequence 25207, A	215	35	38.5	228	2	US-09-248-796A-49654	Sequence 49654, A
143	37	40.7	179	2	US-09-270-767-42718	Sequence 42718, A	216	35	38.5	224	2	US-09-248-796A-18872	Sequence 18872, A
144	37	40.7	179	2	US-09-270-767-47935	Sequence 47935, A	217	35	38.5	224	2	US-09-710-279-876	Sequence 876, App
145	37	40.7	402	2	US-09-543-681A-6953	Sequence 6953, Ap	218	35	38.5	253	2	US-09-134-001C-55231	Sequence 5231, Ap
146	37	40.7	457	2	US-09-248-796A-19185	Sequence 19185, A	219	35	38.5	259	2	US-09-134-001C-65273	Sequence 6273, Ap
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151	36	39.6	54	2	US-10-004-860-455	Sequence 455, App	224	35	38.5	296	2	US-09-328-352-5810	Sequence 5810, Ap
152	36	39.6	193	2	US-09-248-796A-21391	Sequence 21391, A	225	35	38.5	302	2	US-09-702-705-806	Sequence 806, App
153	36	39.6	226	2	US-09-504-358-4	Sequence 4, Appl1	226	35	38.5	302	2	US-09-736-457-806	Sequence 806, App
154	36	39.6	226	2	US-09-954-314-4	Sequence 4, Appl1	227	35	38.5	302	2	US-09-614-124B-806	Sequence 806, App
155	36	39.6	226	2	US-10-230-562-4	Sequence 4, Appl1	228	35	38.5	302	2	US-09-671-325-806	Sequence 806, App
156	36	39.6	255	2	US-09-489-039A-11759	Sequence 11759, A	229	35	38.5	317	2	US-09-589-184-806	Sequence 806, App
157	36	39.6	321	2	US-09-710-279-1526	Sequence 1526, Ap	230	35	38.5	302	2	US-09-658-824-806	Sequence 806, App
158	36	39.6	328	2	US-09-142-584-2	Sequence 2, Appl1	231	35	38.5	302	2	US-10-017-754-806	Sequence 806, App
159	36	39.6	328	2	US-09-142-584-4	Sequence 4, Appl1	232	35	38.5	302	2	US-09-651-563-806	Sequence 806, App
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163	36	39.6	372	2	US-09-489-039A-12516	Sequence 12516, A	236	35	38.5	319	2	US-09-770-767-42534	Sequence 42534, A
164	36	39.6	419	2	US-09-543-681A-5061	Sequence 5061, Ap	237	35	38.5	333	1	US-09-248-796A-25455	Sequence 25455, A
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166	36	39.6	419	2	US-08-640-906-17	Sequence 17, Appl1	239	35	38.5	334	1	US-08-530-290-23	Sequence 23, Appl1
167	36	39.6	419	2	US-09-335-936-2	Sequence 2, Appl1	240	35	38.5	334	2	US-09-702-705-805	Sequence 805, App
168	36	39.6	419	2	US-09-395-936-17	Sequence 17, Appl1	241	35	38.5	334	2	US-09-702-705-827	Sequence 827, App
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171	36	39.6	466	2	US-09-610-401-4	Sequence 4, Appl1	244	35	38.5	334	2	US-09-614-124B-805	Sequence 805, App
172	36	39.6	466	2	US-09-167-206-12	Sequence 12, Appl1	245	35	38.5	334	2	US-09-614-124B-827	Sequence 827, App
173	36	39.6	466	2	US-09-949-016-6351	Sequence 6351, Ap	246	35	38.5	394	2	US-09-671-325-805	Sequence 805, App

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254	35	38.5	394	2	US-09-651-563-805	Sequence 805, App	327	34	37.4	206	2	US-09-874-923-26	Sequence 26, App1
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258	35	38.5	413	2	US-09-949-016-8081	Sequence 8081, App	331	34	37.4	216	2	US-09-107-8337-26	Sequence 4916, App
259	35	38.5	431	2	US-09-538-092-102	Sequence 102, App	332	34	37.4	218	1	US-08-470-8537-26	Sequence 26, App1
260	35	38.5	458	2	US-09-602-777A-340	Sequence 340, App	333	34	37.4	218	2	US-08-868-452-26	Sequence 26, App1
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263	35	38.5	496	2	US-09-949-016-11133	Sequence 11133, A	336	34	37.4	229	2	US-09-327-984A-8	Sequence 8, App1
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265	35	38.5	502	1	US-08-466-589-8	Sequence 8, App1	338	34	37.4	222	2	US-08-327-874A-6	Sequence 6, App1
266	35	38.5	502	1	US-08-700-636-8	Sequence 8, App1	339	34	37.4	232	2	US-10-008-960-6	Sequence 6, App1
267	35	38.5	502	2	US-08-464-258B-7	Sequence 8, App1	340	34	37.4	232	4	PCT-US94-09700-6	Sequence 6, App1
268	35	38.5	502	2	US-08-467-574-8	Sequence 8, App1	341	34	37.4	238	2	US-09-079-723-212	Sequence 212, App
269	35	38.5	502	2	US-08-471-961-7	Sequence 7, App1	342	34	37.4	239	2	US-09-543-681A-6297	Sequence 6297, App
270	35	38.5	502	2	US-09-217-345-8	Sequence 8, App1	343	34	37.4	239	2	US-09-823-153-7	Sequence 7, App1
271	35	38.5	502	2	US-08-771-737-2	Sequence 2, App1	344	34	37.4	244	2	US-09-328-352-5628	Sequence 5628, App
272	35	38.5	502	2	US-08-487-596-12	Sequence 12, App1	345	34	37.4	245	2	US-09-613-303-23	Sequence 23, App1
273	35	38.5	502	2	US-09-345-109C-7	Sequence 7, App1	346	34	37.4	245	2	US-10-267-311-23	Sequence 23, App1
274	35	38.5	502	2	US-09-892-985-8	Sequence 8, App1	347	34	37.4	247	2	US-09-079-723-221	Sequence 221, App
275	35	38.5	502	2	US-09-954-936-2	Sequence 2, App1	348	34	37.4	247	2	US-09-079-723-232	Sequence 232, App
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279	35	38.5	506	2	US-09-198-452A-261	Sequence 261, App	352	34	37.4	248	2	US-09-079-723-220	Sequence 220, App
280	35	38.5	506	2	US-09-438-185A-251	Sequence 251, App	353	34	37.4	248	2	US-09-079-723-230	Sequence 230, App
281	35	38.5	511	1	US-08-278-635B-8	Sequence 8, App1	354	34	37.4	248	2	US-09-079-723-231	Sequence 231, App
282	35	38.5	511	2	US-08-464-258B-8	Sequence 8, App1	355	34	37.4	248	2	US-09-079-723-239	Sequence 239, App
283	35	38.5	511	2	US-08-471-961-8	Sequence 8, App1	356	34	37.4	248	2	US-09-079-723-240	Sequence 240, App
284	35	38.5	511	2	US-09-345-109C-8	Sequence 8, App1	357	34	37.4	249	2	US-09-079-723-233	Sequence 233, App
285	35	38.5	511	2	US-09-949-016-6111	Sequence 6111, App	358	34	37.4	252	2	US-08-931-855B-18	Sequence 18, App1
286	35	38.5	515	2	US-09-869-433-2	Sequence 2, App1	359	34	37.4	257	2	US-09-079-723-223	Sequence 223, App
287	35	38.5	524	2	US-09-158-452A-369	Sequence 369, App	360	34	37.4	257	2	US-09-079-723-227	Sequence 227, App
288	35	38.5	524	2	US-09-438-185A-353	Sequence 353, App	361	34	37.4	257	2	US-09-079-723-229	Sequence 229, App
289	35	38.5	542	2	US-09-949-016-10795	Sequence 10795, A	362	34	37.4	257	2	US-09-079-723-237	Sequence 237, App
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291	35	38.5	597	6	5171850-2	Patient No. 5171850	364	34	37.4	257	2	US-09-079-723-244	Sequence 244, App
292	35	38.5	662	2	US-09-252-991A-22861	Sequence 22861, A	365	34	37.4	258	2	US-09-079-723-222	Sequence 222, App
293	35	38.5	784	2	US-09-583-110-5192	Sequence 5192, App	366	34	37.4	258	2	US-09-079-723-235	Sequence 235, App
294	35	38.5	784	2	US-09-769-787-36	Sequence 36, App1	367	34	37.4	259	2	US-09-079-723-228	Sequence 228, App
295	35	38.5	787	2	US-09-107-433-4612	Sequence 4612, App	368	34	37.4	259	2	US-09-079-723-236	Sequence 236, App
296	35	38.5	800	2	US-09-107-532A-4095	Sequence 4095, App	369	34	37.4	259	2	US-09-079-723-243	Sequence 243, App
297	35	38.5	800	2	US-09-134-000C-5599	Sequence 5599, App	370	34	37.4	259	2	US-09-079-723-248	Sequence 248, App
298	35	38.5	869	2	US-09-489-039A-11429	Sequence 11429, A	371	34	37.4	262	2	US-09-079-723-246	Sequence 246, App
299	35	38.5	869	2	US-09-543-681A-7662	Sequence 7662, App	372	34	37.4	264	2	US-09-079-723-247	Sequence 247, App
300	35	38.5	869	2	US-09-248-796A-18125	Sequence 18125, A	373	34	37.4	264	2	US-09-079-723-224	Sequence 224, App
301	35	38.5	432	2	US-09-252-991A-31360	Sequence 31360, A	374	34	37.4	272	2	US-08-910-820-4	Sequence 4, App1
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309	35	38.5	63	1	US-08-194-338-14	Sequence 14, App1	382	34	37.4	277	2	US-09-079-723-217	Sequence 217, App
310	35	38.5	67	2	US-09-270-767-59676	Sequence 59676, A	383	34	37.4	277	2	US-09-079-723-225	Sequence 225, App
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313	35	38.5	124	1	US-08-462-949-28	Sequence 28, App1	386	34	37.4	279	2	US-09-079-723-215	Sequence 215, App
314	35	38.5	124	1	US-08-023-764B-28	Sequence 28, App1	387	34	37.4	282	2	US-08-910-820-3	Sequence 3, App1
315	35	38.5	124	2	US-08-904-871-10	Sequence 10, App1	388	34	37.4	282	2	US-08-910-820-5	Sequence 5, App1
316	35	38.5	135	2	US-09-797-908-5	Sequence 5, App1	389	34	37.4	282	2	US-09-844-908-3	Sequence 3, App1
317	35	38.5	154	2	US-09-538-092-629	Sequence 629, App	390	34	37.4	282	2	US-09-844-908-5	Sequence 5, App1
318	35	38.5	1632	2	US-09-270-767-44252	Sequence 44252, A	391	34	37.4	282	2	US-09-079-723-213	Sequence 213, App
319	35	38.5	184	2	US-09-605-703B-2558	Sequence 2558, App	392	34	37.4	282	2	US-09-079-723-214	Sequence 214, App

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394	34	37.4	282	2	US-09-079-723-245	Sequence 285, App	467	34	37.4	538	2	US-08-974-549A-602	Sequence 602, App
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396	34	37.4	289	2	US-09-508-775-1	Sequence 1	469	34	37.4	538	2	US-09-402-181B-602	Sequence 602, App
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398	34	37.4	291	1	US-08-102-757-11	Sequence 11, App1	471	34	37.4	538	2	US-08-506-296B-69	Sequence 69, App1
399	34	37.4	292	2	US-09-323-872A-35	Sequence 35, App1	472	34	37.4	545	2	US-08-506-296B-72	Sequence 72, App1
400	34	37.4	292	2	US-09-072-433-37	Sequence 37, App1	473	34	37.4	547	2	US-08-506-296B-75	Sequence 75, App1
401	34	37.4	307	1	US-08-216-89A-6	Sequence 6, App1	474	34	37.4	559	2	US-08-506-296B-66	Sequence 66, App1
402	34	37.4	307	1	US-09-115-746-6	Sequence 6, App1	475	34	37.4	554	1	US-08-216-89A-2	Sequence 2, App1
403	34	37.4	308	2	US-10-223-978-6	Sequence 6, App1	476	34	37.4	554	2	US-09-115-746-2	Sequence 2, App1
404	34	37.4	310	2	US-09-646-075-1	Sequence 1, App1	477	34	37.4	579	1	US-08-864-224-11	Sequence 11, App1
405	34	37.4	321	2	US-09-902-540-12567	Sequence 12567, A	478	34	37.4	579	2	US-09-122-384-11	Sequence 11, App1
406	34	37.4	324	2	US-09-613-303-25	Sequence 25, App1	479	34	37.4	600	2	US-09-327-984A-6	Sequence 6, App1
407	34	37.4	324	2	US-10-267-311-25	Sequence 25, App1	480	34	37.4	616	2	US-08-895-707-2	Sequence 2, App1
408	34	37.4	328	2	US-09-797-808-2	Sequence 2, App1	481	34	37.4	632	2	US-08-506-296B-74	Sequence 74, App1
409	34	37.4	331	2	US-09-217-228-6	Sequence 6, App1	482	34	37.4	635	2	US-08-506-296B-71	Sequence 71, App1
410	34	37.4	340	1	US-08-037-831-2	Sequence 2, App1	483	34	37.4	643	1	US-08-216-89A-8	Sequence 8, App1
411	34	37.4	341	2	US-09-501-612A-2	Sequence 2, App1	484	34	37.4	643	2	US-09-115-746-8	Sequence 8, App1
412	34	37.4	341	2	US-10-336-491-2	Sequence 2, App1	485	34	37.4	644	1	US-08-506-296B-65	Sequence 65, App1
413	34	37.4	342	2	US-09-543-681A-5131	Sequence 5131, Ap	486	34	37.4	647	1	US-08-305-764C-56	Sequence 56, App1
414	34	37.4	342	2	US-09-489-039A-14092	Sequence 14092, A	487	34	37.4	665	2	US-08-506-296B-68	Sequence 68, App1
415	34	37.4	352	1	US-08-385-507-1	Sequence 1, App1	488	34	37.4	676	2	US-09-302-540-12192	Sequence 12192, A
416	34	37.4	352	2	US-08-778-717-15	Sequence 15, App1	489	34	37.4	685	2	US-09-489-039A-12981	Sequence 12981, A
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418	34	37.4	354	2	US-09-115-746-4	Sequence 4, App1	491	34	37.4	692	2	US-09-352-168-19	Sequence 19, App1
419	34	37.4	354	2	US-09-823-153-8	Sequence 8, App1	492	34	37.4	692	2	US-09-771-045B-19	Sequence 19, App1
420	34	37.4	356	2	US-09-902-540-11895	Sequence 11895, A	493	34	37.4	692	2	US-09-770-564A-19	Sequence 19, App1
421	34	37.4	358	2	US-09-645-629-23	Sequence 23, App1	494	34	37.4	692	2	US-10-318-308-1	Sequence 1, App1
422	34	37.4	352	1	US-08-385-507-2	Sequence 2, App1	495	34	37.4	692	2	US-09-658-835C-19	Sequence 19, App1
423	34	37.4	357	2	US-10-223-978-7	Sequence 7, App1	496	34	37.4	709	2	US-09-949-016-6809	Sequence 6809, Ap
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425	34	37.4	379	2	US-09-646-075-3	Sequence 3, App1	498	34	37.4	729	2	US-09-543-681A-8257	Sequence 8257, Ap
426	34	37.4	384	2	US-09-990-578-4	Sequence 4, App1	499	34	37.4	784	2	US-09-004-83A-12	Sequence 12, App1
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428	34	37.4	397	2	US-10-008-860-11	Sequence 11, App1	501	34	37.4	829	2	US-09-352-159-33	Sequence 33, App1
429	34	37.4	397	4	PCT-US94-09700-11	Sequence 11, App1	502	34	37.4	829	2	US-09-352-168-33	Sequence 33, App1
430	34	37.4	410	2	US-09-198-452A-908	Sequence 908, App	503	34	37.4	829	2	US-09-770-564A-33	Sequence 33, App1
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434	34	37.4	422	2	US-09-217-228-7	Sequence 7, App1	507	34	37.4	1036	2	US-10-193-764-69	Sequence 69, App1
435	34	37.4	426	2	US-08-737-248-4	Sequence 4, App1	508	34	37.4	1124	2	US-08-311-731A-10	Sequence 10, App1
436	34	37.4	434	2	US-09-438-185A-847	Sequence 847, App	509	34	37.4	1140	2	US-08-471-112A-4	Sequence 4, App1
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440	34	37.4	443	2	US-08-506-296B-76	Sequence 76, App1	513	34	37.4	1196	2	US-09-352-168-31	Sequence 31, App1
441	34	37.4	447	2	US-08-506-296B-73	Sequence 73, App1	514	34	37.4	1196	2	US-09-771-045B-31	Sequence 31, App1
442	34	37.4	455	2	US-09-248-796A-17535	Sequence 17535, A	515	34	37.4	1196	2	US-09-770-564A-31	Sequence 31, App1
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447	34	37.4	502	2	US-09-579-250-14	Sequence 14, App1	520	34	37.4	1205	2	US-09-770-564A-29	Sequence 29, App1
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453	34	37.4	514	2	US-09-721-456-605	Sequence 605, App	526	34	37.4	1252	2	US-10-651-183-20	Sequence 20, App1
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455	34	37.4	515	2	US-08-912-951-318	Sequence 318, App	528	34	37.4	1477	1	US-08-302-832-4	Sequence 4, App1
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457	34	37.4	515	2	US-09-721-456-604	Sequence 604, App	530	34	37.4	1477	1	US-08-469-880-4	Sequence 4, App1
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459	34	37.4	517	2	US-08-912-951-320	Sequence 320, App	532	34	37.4	1477	1	US-08-517-697-4	Sequence 4, App1
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461	34	37.4	517	2	US-09-721-456-606	Sequence 606, App	534	34	37.4	1477	2	US-09-206-942-71	Sequence 71, App1
462	34	37.4	530	2	US-08-974-549A-603	Sequence 603, App	535	34	37.4	1477	2	US-10-193-764-67	Sequence 67, App1
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542	33	36.3	59	2	US-10-044-359-1010	Sequence 101, Appl	615	33	36.3	507	2	US-09-949-016-7091	Sequence 7091, Ap
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544	33	36.3	123	2	US-09-328-352-7124	Sequence 7124, Ap	617	33	36.3	509	2	US-09-538-092-573	Sequence 573, Appl
545	33	36.3	130	2	US-09-248-796A-25733	Sequence 25733, A	618	33	36.3	510	2	US-09-893-737-885	Sequence 84, Appl
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550	33	36.3	161	2	US-09-248-796A-17503	Sequence 17503, A	623	33	36.3	566	2	US-09-270-767-44444	Sequence 44444, A
551	33	36.3	183	2	US-09-134-000C-4047	Sequence 4047, Ap	624	33	36.3	645	2	US-09-252-991A-32779	Sequence 32779, A
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553	33	36.3	194	2	US-09-252-991A-25408	Sequence 25408, A	626	33	36.3	678	2	US-09-547-789-5	Sequence 5, Appl
554	33	36.3	204	2	US-09-248-796A-18630	Sequence 18630, A	627	33	36.3	705	2	US-09-547-789-5	Sequence 5, Appl
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560	33	36.3	245	2	US-10-046-361-4	Sequence 4, Appl	633	33	36.3	757	2	US-09-725-735A-266	Sequence 266, App
561	33	36.3	247	2	US-09-489-039A-10093	Sequence 10093, A	634	33	36.3	815	2	US-09-196-270-7	Sequence 20, Appl
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566	33	36.3	277	2	US-09-134-001C-5452	Sequence 5452, Ap	639	33	36.3	948	2	US-10-267-511-21	Sequence 21, Appl
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570	33	36.3	310	2	US-09-248-796A-20563	Sequence 20563, A	643	33	36.3	1218	2	US-09-949-016-7177	Sequence 7177, Ap
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572	33	36.3	328	2	US-09-797-908-6	Sequence 6, Appl	645	33	36.3	1333	2	US-09-540-236-3580	Sequence 380, Ap
573	33	36.3	333	2	US-09-248-796A-20925	Sequence 20925, A	646	33	36.3	1285	2	US-09-308-8375-2	Sequence 2, Appl
574	33	36.3	337	2	US-09-270-767-41746	Sequence 41746, A	647	33	36.3	2285	2	US-09-932-183A-2	Sequence 2, Appl
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576	33	36.3	340	2	US-09-120-051D-46	Sequence 46, Appl	649	33	36.3	2532	2	US-10-109-310-10	Sequence 10, Appl
577	33	36.3	340	4	PCT-US95-16126-1	Sequence 1, Appl	650	33	36.3	2887	2	US-08-462-467B-2	Sequence 2, Appl
578	33	36.3	341	2	US-09-450-281-9	Sequence 9, Appl	651	33	36.3	2887	2	US-08-462-467B-8	Sequence 8, Appl
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580	33	36.3	351	2	US-09-198-452A-733	Sequence 733, App	653	33	36.3	137	2	US-09-152-060-97	Sequence 97, Appl
581	33	36.3	351	2	US-09-438-185A-695	Sequence 695, Appl	654	33	36.3	137	2	US-09-852-797-97	Sequence 97, Appl
582	33	36.3	356	2	US-09-252-991A-26117	Sequence 26117, A	655	33	36.3	137	2	US-09-852-797-97	Sequence 97, Appl
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585	33	36.3	366	2	US-09-359-268A-27	Sequence 27, Appl	658	33	36.3	137	2	US-09-152-060-63	Sequence 63, Appl
586	33	36.3	375	1	US-08-121-714-5	Sequence 5, Appl	659	33	36.3	162	2	US-09-852-797-63	Sequence 63, Appl
587	33	36.3	375	1	US-08-477-108A-5	Sequence 5, Appl	660	33	36.3	162	2	US-09-853-161-63	Sequence 63, Appl
588	33	36.3	375	1	US-08-477-112-5	Sequence 5, Appl	661	33	36.3	162	2	US-09-058-993-63	Sequence 63, Appl
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591	33	36.3	386	2	US-08-545-573A-39	Sequence 39, Appl	664	33	36.3	233	2	US-09-270-767-52320	Sequence 52320, A
592	33	36.3	387	1	US-08-759-581B-4	Sequence 4, Appl	665	33	36.3	256	2	US-09-248-796A-20095	Sequence 20095, A
593	33	36.3	387	2	US-09-304-711-4	Sequence 4, Appl	666	33	36.3	256	2	US-09-270-767-58979	Sequence 58979, A
594	33	36.3	387	2	US-09-173-281-4	Sequence 4, Appl	667	33	36.3	276	2	US-09-198-452A-187	Sequence 187, App
595	33	36.3	395	2	US-09-603-208A-28	Sequence 28, Appl	668	33	36.3	276	2	US-09-438-185A-171	Sequence 171, App
596	33	36.3	405	2	US-09-248-796A-16018	Sequence 16018, A	669	33	36.3	386	2	US-09-270-767-43602	Sequence 43602, A
597	33	36.3	409	2	US-09-613-303-55	Sequence 55, Appl	670	33	36.3	450	2	US-09-248-796A-20095	Sequence 20095, A
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599	33	36.3	442	2	US-09-540-236-3728	Sequence 3728, Ap	672	33	36.3	892	2	US-09-543-681A-8314	Sequence 8314, Ap
600	33	36.3	459	2	US-09-248-796A-14438	Sequence 14438, A	673	33	36.3	1207	2	US-09-489-039A-11518	Sequence 11518, A
601	33	36.3	461	1	US-08-527-227A-7	Sequence 7, Appl	674	33	36.3	15	2	US-09-269-576C-2	Sequence 2, Appl
602	33	36.3	461	1	US-09-919-039-180	Sequence 180, App	675	33	36.3	25	1	US-08-378-761A-30	Sequence 30, Appl
603	33	36.3	464	1	US-08-759-581B-22	Sequence 22, Appl	676	33	36.3	25	1	US-08-485-286-30	Sequence 30, Appl
604	33	36.3	464	2	US-09-304-711-22	Sequence 22, Appl	677	33	36.3	25	6	5248606-16	Patent No. 5248606
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607	33	36.3	469	2	US-09-543-681A-7533	Sequence 7533, Ap	680	33	36.3	59	2	US-09-485-147A-76	Sequence 76, Appl
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610	33	36.3	497	1	US-08-727-126-2	Sequence 2, Appl	683	33	36.3	61	2	US-09-485-147A-80	Sequence 80, Appl
611	33	36.3	497	2	US-08-942-761-2	Sequence 2, Appl	684	33	36.3	62	2	US-09-485-147A-78	Sequence 78, Appl

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686	32	35.2	97	2	US-09-205-558-812	Sequence 812, App	759	32	35.2	366	2	US-09-339-932-289	Sequence 28, Appl1
687	32	35.2	97	2	US-10-004-860-812	Sequence 812, App	760	32	35.2	367	2	US-09-107-433-328	Sequence 3289, Ap
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689	32	35.2	104	1	US-08-467-974-23	Sequence 23, Appl1	762	32	35.2	373	2	US-09-359-161-3	Sequence 3, Appl1
690	32	35.2	104	1	US-08-467-536-23	Sequence 23, Appl1	763	32	35.2	374	2	US-09-795-927-4	Sequence 4, Appl1
691	32	35.2	104	2	US-08-467-976-23	Sequence 23, Appl1	764	32	35.2	376	2	US-09-328-352-8084	Sequence 8084, Ap
692	32	35.2	104	2	US-09-082-514-23	Sequence 23, Appl1	765	32	35.2	386	2	US-09-543-681A-7572	Sequence 7572, Ap
693	32	35.2	115	2	US-09-107-532A-6191	Sequence 6191, App	766	32	35.2	387	2	US-09-252-991A-22990	Sequence 22990, A
694	32	35.2	115	2	US-09-205-258-817	Sequence 817, App	767	32	35.2	390	2	US-09-543-681A-7468	Sequence 7468, Ap
695	32	35.2	120	2	US-10-004-860-817	Sequence 817, App	768	32	35.2	390	2	US-09-949-016-8340	Sequence 8340, Ap
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697	32	35.2	122	2	US-09-489-039A-8436	Sequence 8436, Ap	770	32	35.2	398	1	US-08-902-655A-2	Sequence 2, Appl1
698	32	35.2	131	2	US-09-270-767-61319	Sequence 61319, A	771	32	35.2	398	2	US-09-116-622-2	Sequence 2, Appl1
699	32	35.2	132	2	US-09-605-703B-1804	Sequence 1804, Ap	772	32	35.2	398	2	US-09-116-622-2	Sequence 2, Appl1
700	32	35.2	145	2	US-09-270-767-36625	Sequence 36625, A	773	32	35.2	409	2	US-09-599-661-1	Sequence 2, Appl1
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702	32	35.2	149	2	US-09-134-001C-3421	Sequence 3421, Ap	775	32	35.2	411	2	US-09-205-258-815	Sequence 815, App
703	32	35.2	151	2	US-09-134-000C-5639	Sequence 5639, Ap	776	32	35.2	411	2	US-10-004-860-815	Sequence 815, App
704	32	35.2	151	2	US-09-485-147A-82	Sequence 82, Appl1	777	32	35.2	412	2	US-09-743-742B-8	Sequence 8, Appl1
705	32	35.2	152	2	US-09-485-147A-84	Sequence 84, Appl1	778	32	35.2	413	2	US-09-489-039A-7562	Sequence 7562, Ap
706	32	35.2	152	2	US-09-485-147A-86	Sequence 86, Appl1	779	32	35.2	416	2	US-09-949-016-8237	Sequence 8237, Ap
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708	32	35.2	165	2	US-09-107-532A-4582	Sequence 4582, Ap	781	32	35.2	432	2	US-09-198-452A-124	Sequence 124, App
709	32	35.2	165	2	US-09-107-532A-4583	Sequence 4583, Ap	782	32	35.2	434	2	US-09-438-185A-108	Sequence 108, App
710	32	35.2	166	2	US-09-270-767-45796	Sequence 45796, A	783	32	35.2	439	2	US-09-026-001A-8	Sequence 8, Appl1
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712	32	35.2	174	2	US-09-252-991A-22851	Sequence 22851, A	785	32	35.2	439	2	US-10-150-068-1	Sequence 1, Appl1
713	32	35.2	176	2	US-09-902-540-16036	Sequence 16036, A	786	32	35.2	439	2	US-09-996-620-8	Sequence 8, Appl1
714	32	35.2	183	2	US-09-902-540-15683	Sequence 15683, A	787	32	35.2	443	2	US-09-328-352-7069	Sequence 7069, Ap
715	32	35.2	199	1	US-08-849-376-4	Sequence 4, Appl1	788	32	35.2	447	2	US-09-610-104C-2	Sequence 2, Appl1
716	32	35.2	199	1	PCT-US95-16450-4	Sequence 4, Appl1	789	32	35.2	447	2	US-09-610-104C-2	Sequence 11, Appl1
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718	32	35.2	227	6	5433945-9	Patent No. 5433945	791	32	35.2	452	1	US-09-543-681A-8120	Sequence 8120, Ap
719	32	35.2	228	6	5223610-9	Patent No. 5223610	792	32	35.2	453	2	US-09-662-254B-14	Sequence 14, Appl1
720	32	35.2	241	2	US-09-134-000C-6347	Sequence 6347, Ap	793	32	35.2	454	2	US-09-328-352-4964	Sequence 4964, Ap
721	32	35.2	244	1	US-07-869-933-32	Sequence 32, Appl1	794	32	35.2	462	2	US-09-026-001A-16	Sequence 16, Appl1
722	32	35.2	244	1	US-08-201-879A-3	Sequence 3, Appl1	795	32	35.2	462	2	US-09-607-248B-3	Sequence 3, Appl1
723	32	35.2	244	2	US-09-103-663-32	Sequence 32, Appl1	796	32	35.2	462	2	US-09-607-248B-3	Sequence 16, Appl1
724	32	35.2	244	2	US-09-543-681A-7587	Sequence 7587, Ap	797	32	35.2	464	2	US-09-996-620-16	Sequence 12, Appl1
725	32	35.2	244	2	US-09-949-016-5892	Sequence 5892, Ap	798	32	35.2	464	2	US-09-160-036-12	Sequence 12, Appl1
726	32	35.2	252	2	US-09-710-279-2316	Sequence 2316, Ap	799	32	35.2	471	2	US-09-949-016-10880	Sequence 10880, A
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729	32	35.2	258	2	US-09-328-352-4425	Sequence 4425, Ap	802	32	35.2	481	2	US-09-270-767-42183	Sequence 42183, A
730	32	35.2	263	2	US-09-792-024-79	Sequence 79, Appl1	803	32	35.2	482	2	US-09-949-016-10181	Sequence 10181, A
731	32	35.2	266	2	US-09-134-001C-4344	Sequence 4344, Ap	804	32	35.2	483	2	US-09-252-991A-27152	Sequence 27152, A
732	32	35.2	268	2	US-09-134-000C-4101	Sequence 4101, Ap	805	32	35.2	486	1	US-08-821-355A-8	Sequence 8, Appl1
733	32	35.2	269	2	US-09-270-767-42411	Sequence 42411, A	806	32	35.2	486	1	US-09-003-687A-8	Sequence 8, Appl1
734	32	35.2	269	2	US-09-538-092-1089	Sequence 1089, Ap	807	32	35.2	486	2	US-09-136-605-8	Sequence 8, Appl1
735	32	35.2	271	2	US-09-252-991A-33043	Sequence 33043, A	808	32	35.2	498	2	US-09-786-240-1	Sequence 17, Appl1
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738	32	35.2	280	2	US-09-270-767-49070	Sequence 49070, A	811	32	35.2	509	2	US-09-069-637-17	Sequence 17, Appl1
739	32	35.2	281	2	US-09-248-796A-17417	Sequence 17417, A	812	32	35.2	509	2	US-09-322-360-17	Sequence 17, Appl1
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742	32	35.2	291	2	US-09-583-110-4721	Sequence 11416, A	815	32	35.2	510	1	US-08-821-355A-9	Sequence 9, Appl1
743	32	35.2	292	2	US-09-902-540-10876	Sequence 10876, A	816	32	35.2	511	1	US-09-003-687A-9	Sequence 9, Appl1
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746	32	35.2	302	2	US-10-104-947-3163	Sequence 3163, Ap	819	32	35.2	519	2	US-09-763-902B-3	Sequence 3, Appl1
747	32	35.2	310	2	US-09-632-947B-8	Sequence 8, Appl1	820	32	35.2	521	2	US-09-026-001A-12	Sequence 12, Appl1
748	32	35.2	317	2	US-09-489-039A-8044	Sequence 8044, Ap	821	32	35.2	521	2	US-09-996-620-12	Sequence 12, Appl1
749	32	35.2	317	2	US-09-583-110-3269	Sequence 3269, Ap	822	32	35.2	522	2	US-09-996-620-11	Sequence 11, Appl1
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751	32	35.2	349	2	US-09-688-188B-16	Sequence 16, Appl1	824	32	35.2	528	2	US-09-949-016-11233	Sequence 11233, A
752	32	35.2	349	2	US-09-291-417D-16	Sequence 16, Appl1	825	32	35.2	530	2	US-09-270-767-46567	Sequence 46567, A
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754	32	35.2	356	2	US-09-949-016-11436	Sequence 11436, A	827	32	35.2	554	2	US-09-589-477-104	Sequence 104, App
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757	32	35.2	364	2	US-09-949-016-10759	Sequence 10759, A	830	32	35.2	573	2	US-09-107-433-3738	Sequence 3736, Ap



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832	32	35.2	577	2	US-09-389-341-32	Sequence 32, Appl	905	31.5	34.6	366	2	US-09-248-796A-18977	Sequence 18977, A
833	32	35.2	577	2	US-09-538-092-369	Sequence 369, App	906	31.5	34.6	427	1	US-08-896-345-2	Sequence 2, Appl1
834	32	35.2	579	2	US-09-252-991A-28652	Sequence 28652, A	907	31.5	34.6	427	2	US-09-226-091-2	Sequence 2, Appl1
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837	32	35.2	608	2	US-09-489-039A-13503	Sequence 13503, A	910	31.5	34.6	883	1	US-08-967-104-2	Sequence 2, Appl1
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840	32	35.2	631	2	US-09-414-453A-12	Sequence 12, Appl	913	31.5	34.6	941	2	US-10-100-0957A-172	Sequence 172, App
841	32	35.2	631	2	US-09-310-463-20	Sequence 20, Appl	914	31.5	34.6	1328	2	US-08-781-891-76	Sequence 76, Appl
842	32	35.2	631	2	US-08-842-248A-20	Sequence 20, Appl	915	31.5	34.6	1328	2	US-09-618-166-76	Sequence 76, Appl
843	32	35.2	636	2	US-09-446-681-5	Sequence 5, Appl1	916	31.5	34.6	1684	2	US-08-665-259-25	Sequence 25, Appl
844	32	35.2	637	2	US-09-469-211A-4	Sequence 4, Appl1	917	31.5	34.6	1684	2	US-08-762-500-25	Sequence 25, Appl
845	32	35.2	646	2	US-09-949-016-7344	Sequence 7344, Ap	918	31.5	34.6	1704	2	US-08-762-500-75	Sequence 75, Appl
846	32	35.2	648	1	US-08-451-715A-4	Sequence 4, Appl1	919	31.5	34.6	1704	2	US-09-032-438C-120	Sequence 120, App
847	32	35.2	662	2	US-09-949-016-9186	Sequence 9186, Ap	920	31.5	34.6	1711	2	US-08-369-822C-10	Sequence 10, Appl
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853	32	35.2	843	2	US-09-235-451-25	Sequence 25, Appl	926	31	34.1	21	2	US-09-962-756-1645	Sequence 1645, Ap
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856	32	35.2	886	2	US-09-886-319A-6	Sequence 6, Appl1	929	31	34.1	43	2	US-09-217-293-8	Sequence 8, Appl1
857	32	35.2	895	2	US-09-270-767-42010	Sequence 42010, A	930	31	34.1	46	2	US-08-740-644-7	Sequence 7, Appl1
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859	32	35.2	912	2	US-09-688-188B-26	Sequence 26, Appl	932	31	34.1	49	2	US-10-004-860-525	Sequence 525, App
860	32	35.2	912	2	US-09-291-417D-26	Sequence 26, Appl	933	31	34.1	53	2	US-09-270-767-60788	Sequence 60788, A
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865	32	35.2	951	2	US-09-248-796A-20520	Sequence 20520, A	938	31	34.1	62	2	US-09-270-767-33224	Sequence 33224, A
866	32	35.2	968	2	US-09-688-188B-107	Sequence 107, App	939	31	34.1	63	2	US-09-107-532A-5706	Sequence 5706, Ap
867	32	35.2	968	2	US-09-688-188B-155	Sequence 155, App	940	31	34.1	64	1	US-08-278-089A-15	Sequence 15, Appl
868	32	35.2	968	2	US-09-291-417D-107	Sequence 107, App	941	31	34.1	65	1	US-08-838-957A-14	Sequence 14, Appl
869	32	35.2	968	2	US-09-291-417D-155	Sequence 155, App	942	31	34.1	71	2	US-09-328-352-5242	Sequence 5242, Ap
870	32	35.2	968	2	US-09-949-016-6680	Sequence 6680, Ap	943	31	34.1	75	2	US-09-235-451-16	Sequence 16, Appl
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872	32	35.2	1005	2	US-09-770-170-4	Sequence 4, Appl1	945	31	34.1	75	2	US-09-978-503-16	Sequence 16, Appl
873	32	35.2	1031	2	US-10-104-047-2327	Sequence 2327, Ap	946	31	34.1	75	2	US-09-978-303-17	Sequence 17, Appl
874	32	35.2	1114	2	US-09-975-413A-12	Sequence 12, Appl	947	31	34.1	87	2	US-09-270-767-60924	Sequence 60924, A
875	32	35.2	1117	2	US-09-252-991A-23416	Sequence 23416, A	948	31	34.1	92	2	US-09-107-532A-4069	Sequence 4069, App
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885	32	35.2	1227	2	US-09-291-417D-105	Sequence 105, App	958	31	34.1	116	1	US-08-879-995A-4	Sequence 4, Appl1
886	32	35.2	1388	2	US-09-543-681A-7349	Sequence 7349, Ap	959	31	34.1	116	2	US-09-215-096-4	Sequence 4, Appl1
887	32	35.2	1399	2	US-08-462-467B-14	Sequence 14, Appl	960	31	34.1	116	2	US-09-205-658-243	Sequence 243, App
888	32	35.2	1495	2	US-08-462-467B-12	Sequence 12, Appl	961	31	34.1	118	2	US-09-489-039A-14294	Sequence 14294, App
889	32	35.2	1534	2	US-09-543-681A-5162	Sequence 5182, Ap	962	31	34.1	119	2	US-09-605-703B-2334	Sequence 2334, Ap
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894	32	35.2	3218	1	US-08-764-100-27	Sequence 27, Appl	967	31	34.1	144	2	US-09-270-767-52806	Sequence 52806, A
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898	31.5	34.6	201	2	US-09-583-110-5297	Sequence 5297, A	971	31	34.1	153	2	US-09-270-767-50928	Sequence 50928, A
899	31.5	34.6	206	2	US-09-107-433-2696	Sequence 2696, Ap	972	31	34.1	154	2	US-09-732-210-103	Sequence 103, App
900	31.5	34.6	253	2	US-09-248-796A-15042	Sequence 15042, Ap	973	31	34.1	154	2	US-09-732-210-210	Sequence 210, App
901	31.5	34.6	291	2	US-09-270-767-46539	Sequence 46539, A	974	31	34.1	154	2	US-09-732-210-859	Sequence 859, App
902	31.5	34.6	360	2	US-09-543-681A-8056	Sequence 8056, App	975	31	34.1	156	2	US-09-205-258-458	Sequence 458, App
903	31.5	34.6	364	2	US-09-489-039A-10834	Sequence 10834, A	976	31	34.1	156	2	US-09-205-258-523	Sequence 523, App

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977 31 34.1 156 2 US-09-732-210-857 Sequence 857, App
978 31 34.1 156 2 US-09-949-016-6010 Sequence 6010, App
979 31 34.1 156 2 US-10-004-860-458 Sequence 458, App
980 31 34.1 156 2 US-10-004-860-523 Sequence 523, App
981 31 34.1 157 2 US-09-270-767-43277 Sequence 43277, App
982 31 34.1 158 2 US-09-902-540-11525 Sequence 11525, A
983 31 34.1 159 2 US-09-949-016-9864 Sequence 9864, App
984 31 34.1 161 2 US-09-202-161B-2 Sequence 2, Appl1
985 31 34.1 161 2 US-09-270-767-39552 Sequence 39552, A
986 31 34.1 161 2 US-09-270-767-54769 Sequence 54769, A
987 31 34.1 162 2 US-09-270-767-45418 Sequence 45418, A
988 31 34.1 164 2 US-09-270-767-40899 Sequence 40899, A
989 31 34.1 164 2 US-09-270-767-56115 Sequence 56115, A
990 31 34.1 164 2 US-09-710-279-3040 Sequence 3040, App
991 31 34.1 166 2 US-09-499-148-3 Sequence 3, Appl1
992 31 34.1 171 2 US-09-252-991A-20773 Sequence 20773, A
993 31 34.1 172 2 US-09-270-767-58303 Sequence 58303, A
994 31 34.1 172 2 US-09-489-039A-9531 Sequence 9531, App
995 31 34.1 173 2 US-10-101-464A-566 Sequence 566, App
996 31 34.1 174 2 US-09-830-230A-14 Sequence 14, Appl
997 31 34.1 178 2 US-09-489-039A-12795 Sequence 12795, A
998 31 34.1 178 2 US-09-270-767-36799 Sequence 36799, A
999 31 34.1 178 2 US-09-270-767-52016 Sequence 52016, A
1000 31 34.1 183 2 US-09-122-443-11 Sequence 11, Appl
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## ALIGNMENTS

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RESULT 1
US-09-308-935-3
; Sequence 3, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308, 935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/G97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-3

Query Match 100.0%; Score 91; DB 2; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.4e-09;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRYYDALNTVMNNITISK 19
Db 1 RRRYYDALNTVMNNITISK 19

RESULT 2
US-09-308-935-1
; Sequence 1, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308, 935
```

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; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/G97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-1

Query Match 100.0%; Score 91; DB 2; Length 37;
Best Local Similarity 100.0%; Pred. No. 3e-09;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRYYDALNTVMNNITISK 19
Db 4 RRRYYDALNTVMNNITISK 22
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RESULT 3
US-08-428-131-11
; Sequence 11, Application US/08428131
; Patent No. 5863757
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vanderhye
; STREET: 1100 No. 5863757th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,131
; FILING DATE: 23-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Arthur R. Crawford
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-181
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 72 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULAR TYPE: protein
US-08-428-131-11

Query Match 100.0%; Score 91; DB 1; Length 72;
Best Local Similarity 100.0%; Pred. No. 6.8e-09;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRYYDALNTVMNNITISK 19
Db 7 RRRYYDALNTVMNNITISK 25
```



NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 NO. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION NUMBER: US/08/723,415B  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 369 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-4

Query Match 100.0%; Score 91; DB 1; Length 369;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVLMMNIISK 19  
Db 104 RRRYDALNVLMMNIISK 122

RESULT 8  
US-09-189-627A-4  
Sequence 4, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISORFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQUENCE OF SEQ ID NO 4  
LENGTH: 369  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-4

Query Match 100.0%; Score 91; DB 2; Length 369;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVLMMNIISK 19  
Db 104 RRRYDALNVLMMNIISK 122

Db 104 RRRYDALNVLMMNIISK 122  
RESULT 9  
US-09-710-861-4  
Sequence 4, Application US/09710861  
Patent No. 6387649  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISORFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/710,861  
CURRENT FILING DATE: 2000-11-13  
PRIOR APPLICATION NUMBER: US/09/189,627  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQUENCE OF SEQ ID NO 4  
LENGTH: 369  
TYPE: PRT  
ORGANISM: mouse  
US-09-710-861-4

Query Match 100.0%; Score 91; DB 2; Length 369;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVLMMNIISK 19  
Db 104 RRRYDALNVLMMNIISK 122

RESULT 10  
US-08-723-415B-6  
Sequence 6, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISORFORMS  
TITLE OF INVENTION: THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 NO. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100

; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 370 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-723-415B-6

Query Match 100.0%; Score 91; DB 1; Length 370;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAIIVLMAMNIISK 19  
Db 105 RRRVDAIIVLMAMNIISK 123

RESULT 11  
US-09-189-627A-6  
; Sequence 6, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 370  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-189-627A-6

Query Match 100.0%; Score 91; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAIIVLMAMNIISK 19  
Db 105 RRRVDAIIVLMAMNIISK 123

RESULT 12  
US-09-710-861-6  
; Sequence 6, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/710,861  
; PRIOR FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/189,627  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 370  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-710-861-6

Query Match 100.0%; Score 91; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAIIVLMAMNIISK 19  
Db 105 RRRVDAIIVLMAMNIISK 123

RESULT 13  
US-08-723-415B-8  
; Sequence 8, Application US/08723415B  
; Patent No. 5859199  
; GENERAL INFORMATION:  
; APPLICANT: Lathangue, Nicholas B.  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
; TITLE OF INVENTION: THEREOF  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NO. 5859199th Glebe Rd. 8th floor  
; CITY: Arlington  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201-4741  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/723,415B  
; FILING DATE: 30-SEP-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9610195.1  
; FILING DATE: 15-MAY-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Crawford, Arthur R.  
; REGISTRATION NUMBER: 25,327  
; REFERENCE/DOCKET NUMBER: 117-220  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-816-4000  
; TELEFAX: 703-816-4100  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 385 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-723-415B-8

Query Match 100.0%; Score 91; DB 1; Length 385;  
Best Local Similarity 100.0%; Pred. No. 5e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVDAIIVLMAMNIISK 19  
Db 120 RRRVDAIIVLMAMNIISK 138

RESULT 14  
US-09-189-627A-8  
; Sequence 8, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A

/ CURRENT FILING DATE: 1998-11-10  
/ PRIOR APPLICATION NUMBER: 08/723,415  
/ PRIOR FILING DATE: 1996-09-30  
/ PRIOR APPLICATION NUMBER: GB 9610195  
/ PRIOR FILING DATE: 1996-05-15  
/ NUMBER OF SEQ ID NOS: 25  
/ SOFTWARE: PatentIn Ver. 2.0  
/ SEQ ID NO 8  
/ LENGTH: 385  
/ TYPE: PRT  
/ ORGANISM: mouse  
us-09-189-627A-8

Query Match 100.0%; Score 91; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 5e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDANVTMMNTISK 19  
DB 120 RRRYDANVTMMNTISK 138

RESULT 15  
us-09-710-861-8  
/ Sequence 8, Application US/09710861  
/ Patent No. 6387649  
/ GENERAL INFORMATION:  
/ APPLICANT: la Thangue, Nicholas  
/ APPLICANT: de la Luna, Susana  
/ TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
/ FILE REFERENCE: 620-54  
/ CURRENT APPLICATION NUMBER: US/09/710,861  
/ CURRENT FILING DATE: 2000-11-13  
/ PRIOR APPLICATION NUMBER: US/09/189,627  
/ PRIOR FILING DATE: 1998-11-10  
/ PRIOR APPLICATION NUMBER: 08/723,415  
/ PRIOR FILING DATE: 1996-09-30  
/ PRIOR APPLICATION NUMBER: GB 9610195  
/ PRIOR FILING DATE: 1996-05-15  
/ NUMBER OF SEQ ID NOS: 25  
/ SOFTWARE: PatentIn Ver. 2.0  
/ SEQ ID NO 8  
/ LENGTH: 385  
/ TYPE: PRT  
/ ORGANISM: mouse  
us-09-710-861-8

Query Match 100.0%; Score 91; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 5e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDANVTMMNTISK 19  
DB 120 RRRYDANVTMMNTISK 138

RESULT 16  
us-08-723-415B-10  
/ Sequence 10, Application US/08723415B  
/ Patent No. 5859199  
/ GENERAL INFORMATION:  
/ APPLICANT: Lathangue, Nicholas B.  
/ APPLICANT: delaluna, Susana  
/ TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
/ TITLE OF INVENTION: THEREOF  
/ NUMBER OF SEQUENCES: 21  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: NIXON & VANDERHAYE P.C.  
/ STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
/ CITY: Arlington  
/ STATE: VA  
/ COUNTRY: USA  
/ ZIP: 22201-4741

/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: PatentIn Release #1.0, Version #1.30  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/08/723,415B  
/ FILING DATE: 30-SEP-1996  
/ CLASSIFICATION: 435  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: GB 9610195.1  
/ FILING DATE: 15-MAY-1996  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Crawford, Arthur R.  
/ REGISTRATION NUMBER: 25,327  
/ REFERENCE/DOCKET NUMBER: 117-220  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: 703-816-4000  
/ TELEFAX: 703-816-4100  
/ INFORMATION FOR SEQ ID NO: 10:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 410 amino acids  
/ TYPE: amino acid  
/ STRANDEDNESS:  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: protein  
us-08-723-415B-10

Query Match 100.0%; Score 91; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 5.4e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDANVTMMNTISK 19  
DB 166 RRRYDANVTMMNTISK 184

RESULT 17  
us-08-723-415B-11  
/ Sequence 11, Application US/08723415B  
/ Patent No. 5859199  
/ GENERAL INFORMATION:  
/ APPLICANT: Lathangue, Nicholas B.  
/ APPLICANT: delaluna, Susana  
/ TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
/ TITLE OF INVENTION: THEREOF  
/ NUMBER OF SEQUENCES: 21  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: NIXON & VANDERHAYE P.C.  
/ STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
/ CITY: Arlington  
/ STATE: VA  
/ COUNTRY: USA  
/ ZIP: 22201-4741  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: PatentIn Release #1.0, Version #1.30  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/08/723,415B  
/ FILING DATE: 30-SEP-1996  
/ CLASSIFICATION: 435  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: GB 9610195.1  
/ FILING DATE: 15-MAY-1996  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Crawford, Arthur R.  
/ REGISTRATION NUMBER: 25,327  
/ REFERENCE/DOCKET NUMBER: 117-220  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: 703-816-4000  
/ TELEFAX: 703-816-4100

; INFORMATION FOR SEQ ID NO: 11:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 410 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS:  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-723-415B-11

Query Match 100.0%; Score 91; DB 1; Length 410;  
 Best Local Similarity 100.0%; Pred. No. 5.4e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVYDALNVLMMNIISK 19  
 |||||  
 Db 166 RRRVYDALNVLMMNIISK 184

RESULT 18  
 US-08-428-131-2  
 ; Sequence 2, Application US/08428131  
 ; Patent No. 5863757  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Thangue, Nicholas Barrie  
 ; TITLE OF INVENTION: Transcription Factor DP-1  
 ; NUMBER OF SEQUENCES: 14  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Nixon & Vanderhye  
 ; STREET: 1100 No. 5863757th Glebe Road, 8th Floor  
 ; CITY: Arlington  
 ; STATE: Virginia  
 ; COUNTRY: U.S.A.  
 ; ZIP: 22201-4714  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/428,131  
 ; FILING DATE: 23-JUN-1995  
 ; CLASSIFICATION: 514  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Arthur R. Crawford  
 ; REGISTRATION NUMBER: 25,327  
 ; REFERENCE/DOCKET NUMBER: 117-181  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (703) 816-4000  
 ; TELEFAX: (703) 816-4100  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 410 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-428-131-2

Query Match 100.0%; Score 91; DB 1; Length 410;  
 Best Local Similarity 100.0%; Pred. No. 5.4e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 RRRVYDALNVLMMNIISK 19  
 |||||  
 Db 166 RRRVYDALNVLMMNIISK 184  
 RESULT 19  
 US-08-602-846-2  
 ; Sequence 2, Application US/08602846  
 ; Patent No. 5871901  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Thangue, Nicholas B  
 ; TITLE OF INVENTION: ASSAY FOR INHIBITORS OF DP-1 AND OTHER DP

; TITLE OF INVENTION: PROTEINS.  
 ; NUMBER OF SEQUENCES: 3  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Nixon & Vanderhye PC  
 ; STREET: 8th Floor, 1100 No. 5871901th Glebe Road  
 ; CITY: Arlington  
 ; STATE: Virginia  
 ; COUNTRY: USA  
 ; ZIP: 22201-4714  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/602,846  
 ; FILING DATE: 26-FEB-1996  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: CRAWFORD, ARTHUR R.  
 ; REGISTRATION NUMBER: 25,327  
 ; REFERENCE/DOCKET NUMBER: 620-12  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (703) 816-4000  
 ; TELEFAX: (703) 816-4100  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 410 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-602-846-2

Query Match 100.0%; Score 91; DB 1; Length 410;  
 Best Local Similarity 100.0%; Pred. No. 5.4e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRVYDALNVLMMNIISK 19  
 |||||  
 Db 166 RRRVYDALNVLMMNIISK 184

RESULT 20  
 US-09-078-596-2  
 ; Sequence 2, Application US/09078596  
 ; Patent No. 615016  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Thangue, Nicholas Barrie  
 ; TITLE OF INVENTION: Transcription Factor DP-1  
 ; NUMBER OF SEQUENCES: 14  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Nixon & Vanderhye  
 ; STREET: 1100 No. 615016th Glebe Road, 8th Floor  
 ; CITY: Arlington  
 ; STATE: Virginia  
 ; COUNTRY: U.S.A.  
 ; ZIP: 22201-4714  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/078,596  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION NUMBER:  
 ; APPLICATION NUMBER: US/08/428,131  
 ; FILING DATE: 23-JUN-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Arthur R. Crawford  
 ; REGISTRATION NUMBER: 25,327  
 ; REFERENCE/DOCKET NUMBER: 117-181

```
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (703) 816-4000
/ TELEFAX: (703) 816-4100
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/   LENGTH: 410 amino acids
/   TYPE: amino acid
/   TOPOLOGY: linear
/   MOLECULE TYPE: protein
/
US-09-078-596-2

Query Match          100.0%; Score 91; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 5.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVTMMNIIISK 19
Db 166 RRRYDALNVTMMNIIISK 184

RESULT 21
US-09-189-627A-10
/ Sequence 10, Application US/09189627A
/ Patent No. 6159691
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas
/ APPLICANT: de la Luna, Susana
/ TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
/ FILE REFERENCE: 620-54
/ CURRENT APPLICATION NUMBER: US/09/189,627A
/ CURRENT FILING DATE: 1998-11-10
/ PRIOR APPLICATION NUMBER: 08/723,415
/ PRIOR FILING DATE: 1996-09-30
/ PRIOR APPLICATION NUMBER: GB 9610195
/ PRIOR FILING DATE: 1996-05-15
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 10
/ LENGTH: 410
/ TYPE: PRT
/ ORGANISM: human
/
US-09-189-627A-10

Query Match          100.0%; Score 91; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 5.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVTMMNIIISK 19
Db 166 RRRYDALNVTMMNIIISK 184

RESULT 22
US-09-189-627A-11
/ Sequence 11, Application US/09189627A
/ Patent No. 6159691
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas
/ APPLICANT: de la Luna, Susana
/ TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
/ FILE REFERENCE: 620-54
/ CURRENT APPLICATION NUMBER: US/09/189,627A
/ CURRENT FILING DATE: 1998-11-10
/ PRIOR APPLICATION NUMBER: 08/723,415
/ PRIOR FILING DATE: 1996-09-30
/ PRIOR APPLICATION NUMBER: GB 9610195
/ PRIOR FILING DATE: 1996-05-15
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 11
/ LENGTH: 410
/ TYPE: PRT
/ ORGANISM: mouse
/
```

```
US-09-189-627A-11

Query Match          100.0%; Score 91; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 5.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVTMMNIIISK 19
Db 166 RRRYDALNVTMMNIIISK 184

RESULT 23
US-09-710-861-10
/ Sequence 10, Application US/09710861
/ Patent No. 6387649
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas
/ APPLICANT: de la Luna, Susana
/ TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
/ FILE REFERENCE: 620-54
/ CURRENT APPLICATION NUMBER: US/09/710,861
/ CURRENT FILING DATE: 2000-11-13
/ PRIOR APPLICATION NUMBER: US/09/189,627
/ PRIOR FILING DATE: 1998-11-10
/ PRIOR APPLICATION NUMBER: 08/723,415
/ PRIOR FILING DATE: 1996-09-30
/ PRIOR APPLICATION NUMBER: GB 9610195
/ PRIOR FILING DATE: 1996-05-15
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 10
/ LENGTH: 410
/ TYPE: PRT
/ ORGANISM: human
/
US-09-710-861-10

Query Match          100.0%; Score 91; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 5.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRRYDALNVTMMNIIISK 19
Db 166 RRRYDALNVTMMNIIISK 184

RESULT 24
US-09-710-861-11
/ Sequence 11, Application US/09710861
/ Patent No. 6387649
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas
/ APPLICANT: de la Luna, Susana
/ TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
/ FILE REFERENCE: 620-54
/ CURRENT APPLICATION NUMBER: US/09/710,861
/ CURRENT FILING DATE: 2000-11-13
/ PRIOR APPLICATION NUMBER: US/09/189,627
/ PRIOR FILING DATE: 1998-11-10
/ PRIOR APPLICATION NUMBER: 08/723,415
/ PRIOR FILING DATE: 1996-09-30
/ PRIOR APPLICATION NUMBER: GB 9610195
/ PRIOR FILING DATE: 1996-05-15
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 11
/ LENGTH: 410
/ TYPE: PRT
/ ORGANISM: mouse
/

Query Match          100.0%; Score 91; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 5.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```



Qy 1 RRRVDAALVLMAMNIIISK 19  
Db 166 RRRVDAALVLMAMNIIISK 184

## RESULT 25

US-09-949-016-8808  
; Sequence 8808, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VERTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8808  
; LENGTH: 415  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-8808

Query Match 100.0%; Score 91; DB 2; Length 415;  
Best Local Similarity 100.0%; Pred. No. 5.5e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRVDAALVLMAMNIIISK 19  
Db 171 RRRVDAALVLMAMNIIISK 189

RESULT 26  
US-08-723-415B-2  
; Sequence 2, Application US/08723415B  
; Patent No. 5859199  
; GENERAL INFORMATION:  
; APPLICANT: Lathangue, Nicholas B.  
; APPLICANT: de la luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYTE P.C.  
; STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
; CITY: Arlington  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201-4741  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/723,415B  
; FILING DATE: 30-SEP-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9610195.1  
; FILING DATE: 15-MAY-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Crawford, Arthur R.  
; REGISTRATION NUMBER: 25,327  
; REFERENCE/DOCKET NUMBER: 117-220

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-816-4000  
; TELEFAX: 703-816-4100  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 446 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-723-415B-2

Query Match 100.0%; Score 91; DB 1; Length 446;  
Best Local Similarity 100.0%; Pred. No. 6e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRVDAALVLMAMNIIISK 19  
Db 181 RRRVDAALVLMAMNIIISK 199

RESULT 27  
US-09-189-627A-2  
; Sequence 2, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; CURRENT FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 446  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-189-627A-2

Query Match 100.0%; Score 91; DB 2; Length 446;  
Best Local Similarity 100.0%; Pred. No. 6e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRRVDAALVLMAMNIIISK 19  
Db 181 RRRVDAALVLMAMNIIISK 199

RESULT 28  
US-09-710-861-2  
; Sequence 2, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/710,861  
; CURRENT FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/189,627  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 446

```
/ TYPE: PRT
/ ORGANISM: mouse
US-09-710-861-2

Query Match          100.0%; Score 91; DB 2; Length 446;
Best Local Similarity 100.0%; Pred. No. 6e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRYDNLVLMAMNISK 19
      |||
Db      181 RRRYDNLVLMAMNISK 199

RESULT 29
US-09-269-576G-22
/ Sequence 22; Application US/09269576G
/ Patent No. 6713449
/ GENERAL INFORMATION:
/ APPLICANT: Shubata, Kenji
/ APPLICANT: Yamaseaki, Motoo
/ APPLICANT: Yoshida, Tetsuo
/ APPLICANT: Mizukami, Tami
/ TITLE OF INVENTION: E2F Activity-Inhibiting Compound
/ FILE REFERENCE: 766.29
/ CURRENT APPLICATION NUMBER: US/09/269,576G
/ CURRENT FILING DATE: 1999-03-30
/ PRIOR APPLICATION NUMBER: PCT/JP97/03442
/ PRIOR FILING DATE: 1997-09-26
/ PRIOR APPLICATION NUMBER: JP 259432/1996
/ PRIOR FILING DATE: 1996-09-30
/ NUMBER OF SEQ ID NOS: 27
/ SOFTWARE: WordPerfect 8
/ SEQ ID NO 22
/ LENGTH: 28
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic
US-09-269-576G-22

Query Match          94.5%; Score 86; DB 2; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.7e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRYDNLVLMAMNISK 18
      |||
Db      11 RRRYDNLVLMAMNISK 28

RESULT 30
US-09-269-576G-24
/ Sequence 24; Application US/09269576G
/ Patent No. 6713449
/ GENERAL INFORMATION:
/ APPLICANT: Yamaseaki, Kenji
/ APPLICANT: Yamaseaki, Motoo
/ APPLICANT: Yoshida, Tetsuo
/ APPLICANT: Mizukami, Tami
/ TITLE OF INVENTION: E2F Activity-Inhibiting Compound
/ FILE REFERENCE: 766.29
/ CURRENT APPLICATION NUMBER: US/09/269,576G
/ CURRENT FILING DATE: 1999-03-30
/ PRIOR APPLICATION NUMBER: PCT/JP97/03442
/ PRIOR FILING DATE: 1997-09-26
/ PRIOR APPLICATION NUMBER: JP 259432/1996
/ PRIOR FILING DATE: 1996-09-30
/ NUMBER OF SEQ ID NOS: 27
/ SOFTWARE: WordPerfect 8
/ SEQ ID NO 24
/ LENGTH: 28
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
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```
/ OTHER INFORMATION: Synthetic
US-09-269-576G-24

Query Match          94.5%; Score 86; DB 2; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.7e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRYDNLVLMAMNISK 18
      |||
Db      11 RRRYDNLVLMAMNISK 28

RESULT 31
US-09-640-211A-1157
/ Sequence 1157; Application US/09640211A
/ Patent No. 6833446
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marion
/ APPLICANT: Shenk, Michael A.
/ APPLICANT: McGrath, Annette
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ TITLE OF INVENTION: Modification of Gene Transcription
/ FILE REFERENCE: 11000.1021CIU
/ CURRENT APPLICATION NUMBER: US/09/640,211A
/ CURRENT FILING DATE: 2000-08-16
/ NUMBER OF SEQ ID NOS: 2368
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1157
/ LENGTH: 119
/ TYPE: PRT
/ ORGANISM: Pinus radiata
US-09-640-211A-1157

Query Match          94.5%; Score 86; DB 2; Length 119;
Best Local Similarity 94.7%; Pred. No. 9.5e-08;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRYDNLVLMAMNISK 19
      |||
Db      74 RRRYDNLVLMAMNISK 92

RESULT 32
US-09-640-211A-1056
/ Sequence 1056; Application US/09640211A
/ Patent No. 6833446
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marion
/ APPLICANT: Shenk, Michael A.
/ APPLICANT: McGrath, Annette
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ TITLE OF INVENTION: Modification of Gene Transcription
/ FILE REFERENCE: 11000.1021CIU
/ CURRENT APPLICATION NUMBER: US/09/640,211A
/ CURRENT FILING DATE: 2000-08-16
/ NUMBER OF SEQ ID NOS: 2368
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1056
/ LENGTH: 120
/ TYPE: PRT
/ ORGANISM: Pinus radiata
US-09-640-211A-1056

Query Match          94.5%; Score 86; DB 2; Length 120;
Best Local Similarity 94.7%; Pred. No. 9.6e-08;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRYDNLVLMAMNISK 19
      |||
Db      73 RRRYDNLVLMAMNISK 91
```

```
RESULT 33
US-09-308-935-15
; Sequence 15, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide
US-09-308-935-15

Query Match          91.2%; Score 83; DB 2; Length 19;
Best Local Similarity 89.5%; Pred. No. 3.6e-08;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 RRRVDAALVLMAMNIIK 19
DB      1 RRRVDAALVLMAMNIIK 19

RESULT 34
US-09-269-576G-3
; Sequence 3, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamasaki, Motoo
; APPLICANT: Yoshida, Tetsuo
; APPLICANT: Mizukami, Tamio
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound
; FILE REFERENCE: 766.29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 3
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine
; LOCATION: 28
; OTHER INFORMATION: Xaa at position 28 representing L-serinamide
US-09-269-576G-3

Query Match          90.1%; Score 82; DB 2; Length 28;
Best Local Similarity 100.0%; Pred. No. 8.7e-08;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 RRRVDAALVLMAMNII 17
DB      11 RRRVDAALVLMAMNII 27

RESULT 35
US-09-269-576G-21
; Sequence 21, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamasaki, Motoo
; APPLICANT: Yoshida, Tetsuo
; APPLICANT: Mizukami, Tamio
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound
; FILE REFERENCE: 766.29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 21
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: Xaa at position 1 representing N-lauryl-L-asparagine
; NAME/KEY: Modified-site
; LOCATION: 28
; OTHER INFORMATION: Xaa at position 28 representing L-serinamide
US-09-269-576G-21

Query Match          90.1%; Score 82; DB 2; Length 28;
Best Local Similarity 100.0%; Pred. No. 8.7e-08;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RRRVDAALVLMAMNII 17
DB      11 RRRVDAALVLMAMNII 27

RESULT 36
US-08-428-131-13
; Sequence 13, Application US/08428131
; Patent No. 5863757
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Bartie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vanderhye
; STREET: 1100 No. 5863757th Giebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,131
; FILING DATE: 23-JUN-1995
```

CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,337  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-428-131-13

Query Match 89.0%; Score 81; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 7.2e-08;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 RRVYDALNVLMMANNIS 18  
DB 1 RRVYDALNVLMMANNIS 17

RESULT 37  
US-09-078-596-13  
Sequence 13, Application US/09078596  
Patent No. 6150116

GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,337  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-13

Query Match 89.0%; Score 81; DB 2; Length 17;  
Best Local Similarity 100.0%; Pred. No. 7.2e-08;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 RRVYDALNVLMMANNIS 18  
DB 1 RRVYDALNVLMMANNIS 17

RESULT 38  
US-09-308-935-17  
Sequence 17, Application US/09308935  
Patent No. 6268334  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/308,935  
EARLIER FILING DATE: 1999-05-27  
EARLIER APPLICATION NUMBER: PCT/GB97/03506  
EARLIER FILING DATE: 1997-12-22  
EARLIER APPLICATION NUMBER: GB 9626589.7  
EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 17  
LENGTH: 19  
TYPE: PPT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-308-935-17

Query Match 86.8%; Score 79; DB 2; Length 19;  
Best Local Similarity 89.5%; Pred. No. 1.9e-07;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRVYDALNVLMMANNISK 19  
DB 1 RRVYDALNVLMMANNISK 19

RESULT 39  
US-09-308-935-16  
Sequence 16, Application US/09308935  
Patent No. 6268334  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/308,935  
CURRENT FILING DATE: 1999-05-27  
EARLIER APPLICATION NUMBER: PCT/GB97/03506  
EARLIER FILING DATE: 1997-12-22  
EARLIER APPLICATION NUMBER: GB 9626589.7  
EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 16  
LENGTH: 19  
TYPE: PPT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-308-935-16

Query Match 84.6%; Score 77; DB 2; Length 19;  
Best Local Similarity 89.5%; Pred. No. 4.2e-07;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 RRVYDALNVLMMANNISK 19  
DB 1 RRVYDALNVLMMANNISK 19

```
RESULT 40
US-09-308-935-5
; Sequence 5, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-5

Query Match      83.5%; Score 76; DB 2; Length 16;
Best Local Similarity 100.0%; Pred. No. 5.2e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 RYVDALNVLMANNITIS 18
Db      1 RYVDALNVLMANNITIS 16

RESULT 41
US-09-269-576G-26
; Sequence 26, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamasaaki, Motoo
; APPLICANT: Yoshida, Tetsuo
; APPLICANT: Mizukami, Tamiyo
; TITLE OF INVENTION: B2P Activity-Inhibiting Compound
; FILE REFERENCE: 766-29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 26
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: Modified-site
; LOCATION: 1-10 and 26-29
; OTHER INFORMATION: any one or all of amino acids 1-10 and 26-29 may be present or ab
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: Xaa at position 1 represents Asn, Thr, Ala or Tyr
; NAME/KEY: Modified-site
; LOCATION: 2
; OTHER INFORMATION: Xaa at position 2 represents Glu or Asp
; FEATURE:
; NAME/KEY: Modified-site
```

```
LOCATION: 3
; OTHER INFORMATION: Xaa at position 3 represents Ser or Asn
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 5
; OTHER INFORMATION: Xaa at position 5 represents Ala or Asn
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 6
; OTHER INFORMATION: Xaa at position 6 represents Tyr or Cys
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 9
; OTHER INFORMATION: Xaa at position 9 represents Lys or Glu
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 25
; OTHER INFORMATION: Xaa at position 25 represents Met or Ile
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 27
; OTHER INFORMATION: Xaa at position 27 represents Ile or Val
US-09-269-576G-26

Query Match      82.4%; Score 75; DB 2; Length 29;
Best Local Similarity 88.9%; Pred. No. 1.6e-06;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 RRRYVDALNVLMANNITIS 18
Db      12 RRRYVDALNVLMANNITIS 29

RESULT 42
US-09-308-935-6
; Sequence 6, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: Bandara, Lasantha B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-6

Query Match      79.1%; Score 72; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 5.6e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 YDALNVLMANNITISK 19
Db      1 YDALNVLMANNITISK 15

RESULT 43
US-09-308-935-11
; Sequence 11, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
```

```

; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: WordPerfect 8
; SEQ ID NO 11
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-11

```

```

Query Match          75.8%; Score 69; DB 2; Length 14;
Best Local Similarity 100.0%; Pred. No. 7.7e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      2 RRRYDALNTLMAN 15
      |||||
Db      1 RRRYDALNTLMAN 14

```

```

RESULT 44
US-09-269-576G-23
; Sequence 23, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamaseaki, Motoo
; APPLICANT: Mizukami, Tamio
; TITLE OF INVENTION: E2F Activity-Inhibiting Compound
; FILE REFERENCE: 766.29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 23
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-269-576G-23

```

```

Query Match          74.7%; Score 68; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.3e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 RRRYDALNTLMAN 14
      |||||
Db      2 RRRYDALNTLMAN 15

```

```

RESULT 45
US-09-269-576G-4
; Sequence 4, Application US/09269576G
; Patent No. 6713449
; GENERAL INFORMATION:
; APPLICANT: Shubata, Kenji
; APPLICANT: Yamaseaki, Motoo
; APPLICANT: Yoshida, Tetsuo
; APPLICANT: Mizukami, Tamio

```

```

; TITLE OF INVENTION: E2F Activity-Inhibiting Compound
; FILE REFERENCE: 766.29
; CURRENT APPLICATION NUMBER: US/09/269,576G
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: PCT/JP97/03442
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: JP 259432/1996
; PRIOR FILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: WordPerfect 8
; SEQ ID NO 4
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-isoleucine
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 15
; OTHER INFORMATION: Xaa at position 15 representing L-methioninamide
US-09-269-576G-4

```

```

Query Match          69.2%; Score 63; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.8e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 RRRYDALNTLMA 13
      |||||
Db      2 RRRYDALNTLMA 14

```

```

RESULT 46
US-09-308-935-9
; Sequence 9, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-9

```

```

Query Match          59.3%; Score 54; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0027;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 RRRYDALNTL 11
      |||||
Db      1 RRRYDALNTL 11

```

```

RESULT 47
US-09-308-935-4
; Sequence 4, Application US/09308935
; Patent No. 6268334

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```
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas B
/ APPLICANT: Bandara, Lasantha R
/ TITLE OF INVENTION: Peptide antagonists of DP transcription factors
/ FILE REFERENCE: 620-67
/ CURRENT APPLICATION NUMBER: US/09/308,935
/ EARLIER FILING DATE: 1999-05-27
/ EARLIER APPLICATION NUMBER: PCT/GB97/03506
/ EARLIER FILING DATE: 1997-12-22
/ EARLIER APPLICATION NUMBER: GB 9626589.7
/ EARLIER FILING DATE: 1996-12-20
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 4
/ LENGTH: 20
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURES:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-4

Query Match          56.0%; Score 51; DB 2; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy          9 NVLMAMNIISK 19
            |||||
            1 NVLMAMNIISK 11

RESULT 48
US-08-428-131-12
/ Sequence 12, Application US/08428131
/ Patent No. 5863757
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas Barrie
/ TITLE OF INVENTION: Transcription Factor DP-1
/ NUMBER OF SEQUENCES: 14
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: Nixon & Vanderhye
/ STREET: 1100 No. 5863757th Glebe Road, 8th Floor
/ CITY: Arlington
/ STATE: Virginia
/ COUNTRY: U.S.A.
/ ZIP: 22201-4714
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/428,131
/ FILING DATE: 23-JUN-1995
/ CLASSIFICATION: 514
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Arthur R. Crawford
/ REGISTRATION NUMBER: 25,327
/ REFERENCE/DOCKET NUMBER: 117-181
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (703) 816-4000
/ TELEFAX: (703) 816-4100
/ INFORMATION FOR SEQ ID NO: 12:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 73 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
US-08-428-131-12

Query Match          56.0%; Score 51; DB 1; Length 73;
Best Local Similarity 47.4%; Pred. No. 0.088;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
```

```
Cy          1 RRRVYDALNVLMAMNIISK 19
            :||:|||||:|:|
            7 KRRYDTNVLEGQLAK 25

RESULT 49
US-09-078-596-12
/ Sequence 12, Application US/09078596
/ Patent No. 6150116
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas Barrie
/ TITLE OF INVENTION: Transcription Factor DP-1
/ NUMBER OF SEQUENCES: 14
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: Nixon & Vanderhye
/ STREET: 1100 No. 6150116th Glebe Road, 8th Floor
/ CITY: Arlington
/ STATE: Virginia
/ COUNTRY: U.S.A.
/ ZIP: 22201-4714
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/078,596
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/428,131
/ FILING DATE: 23-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Arthur R. Crawford
/ REGISTRATION NUMBER: 25,327
/ REFERENCE/DOCKET NUMBER: 117-181
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (703) 816-4000
/ TELEFAX: (703) 816-4100
/ INFORMATION FOR SEQ ID NO: 12:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 73 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
US-09-078-596-12

Query Match          56.0%; Score 51; DB 2; Length 73;
Best Local Similarity 47.4%; Pred. No. 0.088;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Cy          1 RRRVYDALNVLMAMNIISK 19
            :||:|||||:|:|
            7 KRRYDTNVLEGQLAK 25

RESULT 50
US-08-894-139-5
/ Sequence 5, Application US/08894139
/ Patent No. 6448376
/ GENERAL INFORMATION:
/ APPLICANT: LA THANGUE, NICHOLAS B.
/ APPLICANT: BERNARDS, RENE
/ APPLICANT: HJWANS, ELEANORE M.
/ TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5
/ NUMBER OF SEQUENCES: 25
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: NIXON & VANDERHYE P.C.
/ STREET: 1100 NORTH GLEBE ROAD
/ CITY: ARLINGTON
/ STATE: VIRGINIA
```

```

; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/894,139
; FILING DATE: 13-AUG-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 620-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-894-139-5

```

```

Query Match          56.0%; Score 51; DB 2; Length 74;
Best Local Similarity 47.4%; Pred. No. 0.089;
Matches 9; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
Qy      1 RRRVYDALNYLMANNISK 19
         :||:|||||:|:|
Db      45 KRRIVDTNVLGGIQLAK 63

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Search completed: March 17, 2006, 20:54:40  
 Job time : 43.7045 secs



GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 21:14:49 ; Search time 7.36364 Seconds  
(without alignments)  
34.984 Million cell updates/sec

Title: US-09-900-147-2  
Perfect score: 42  
Sequence: 1 NVTMMANNII 9

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 169630 seqs, 2862289 residues

Total number of hits satisfying chosen parameters: 169630

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 1000 summaries

Database : Published Applications\_AA\_New:\*  
1: /cgn2\_6/ptodaca/1/pubppaa/US06\_NEW\_PUB pep:\*  
2: /cgn2\_6/ptodaca/1/pubppaa/US06\_NEW\_PUB pep:\*  
3: /cgn2\_6/ptodaca/1/pubppaa/US07\_NEW\_PUB pep:\*  
4: /cgn2\_6/ptodaca/1/pubppaa/PCF\_NEW\_PUB pep:\*  
5: /cgn2\_6/ptodaca/1/pubppaa/US09\_NEW\_PUB pep:\*  
6: /cgn2\_6/ptodaca/1/pubppaa/US10\_NEW\_PUB pep:\*  
7: /cgn2\_6/ptodaca/1/pubppaa/US11\_NEW\_PUB pep:\*  
8: /cgn2\_6/ptodaca/1/pubppaa/US60\_NEW\_PUB pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	37	88.1	318	7	US-11-060-029-21
2	37	88.1	344	7	US-11-060-029-15
3	37	88.1	346	7	US-11-060-029-19
4	37	88.1	385	7	US-11-060-029-2
5	37	88.1	386	7	US-11-060-029-13
6	37	88.1	413	7	US-11-060-029-4
7	36	85.7	379	7	US-11-060-029-17
8	34	81.0	282	7	US-11-096-568A-29200
9	34	81.0	353	7	US-11-060-029-23
10	34	81.0	369	7	US-11-096-568A-29199
11	33	78.6	344	7	US-11-096-568A-12954
12	33	78.6	351	7	US-11-096-568A-12953
13	31	73.8	384	7	US-11-096-568A-2816
14	31	73.8	384	7	US-11-096-568A-2817
15	31	73.8	385	7	US-11-096-568A-2815
16	29	69.0	275	6	US-10-485-517-347
17	29	69.0	364	7	US-11-096-568A-11193
18	29	69.0	432	7	US-11-096-568A-3180
19	29	69.0	432	7	US-11-096-568A-3181
20	29	69.0	455	7	US-11-096-568A-3179
21	28	66.7	207	7	US-11-096-568A-20252
22	28	66.7	278	7	US-11-096-568A-20251
23	28	66.7	287	7	US-11-096-568A-20250
24	28	66.7	425	7	US-11-096-568A-18168
25	28	66.7	444	7	US-11-096-568A-18167

26	66.7	446	7	US-11-087-099-7122	Sequence 7122, Ap
27	66.7	454	7	US-11-087-099-2905	Sequence 2905, Ap
28	66.7	469	7	US-11-087-099-11213	Sequence 11213, A
29	66.7	491	7	US-11-087-099-2696	Sequence 2696, Ap
30	66.7	515	7	US-11-096-568A-18166	Sequence 18166, Ap
31	66.7	550	7	US-11-087-099-2332	Sequence 2332, A
32	64.3	58	6	US-10-895-064-2684	Sequence 2684, Ap
33	64.3	58	7	US-11-129-741-2684	Sequence 2684, Ap
34	64.3	110	6	US-10-793-626-2152	Sequence 2152, Ap
35	64.3	159	7	US-11-096-568A-2817	Sequence 2817, A
36	64.3	164	7	US-11-096-568A-28716	Sequence 28716, A
37	64.3	172	7	US-11-212-443-80	Sequence 80, Appl
38	64.3	180	7	US-11-212-443-195	Sequence 195, Appl
39	64.3	212	7	US-11-212-443-48	Sequence 48, Appl
40	64.3	219	7	US-11-212-443-46	Sequence 46, Appl
41	64.3	232	6	US-10-467-657-3352	Sequence 3352, Ap
42	64.3	242	7	US-11-212-443-82	Sequence 82, Appl
43	64.3	242	7	US-11-212-443-84	Sequence 84, Appl
44	64.3	355	7	US-11-108-528-78	Sequence 78, Appl
45	64.3	365	7	US-11-108-528-76	Sequence 76, Appl
46	64.3	388	7	US-11-096-568A-25265	Sequence 25265, A
47	64.3	434	7	US-11-087-099-2386	Sequence 2386, Ap
48	64.3	836	7	US-11-087-099-2385	Sequence 30785, A
49	64.3	1661	7	US-11-096-568A-30784	Sequence 30784, A
50	64.3	1713	7	US-10-055-877-147	Sequence 147, Appl
51	64.3	1732	6	US-11-096-568A-30783	Sequence 30783, A
52	64.3	1791	7	US-11-096-568A-30783	Sequence 52, Appl
53	64.3	2725	7	US-11-113-424-52	Sequence 10, Appl
54	64.3	2725	7	US-11-100-640-10	Sequence 16, Appl
55	64.3	2725	7	US-11-100-640-16	Sequence 1540, Ap
56	61.9	144	6	US-10-793-626-1640	Sequence 1958, Ap
57	61.9	144	6	US-10-793-626-1958	Sequence 7106, Ap
58	61.9	151	7	US-11-087-099-7106	Sequence 1592, Ap
59	61.9	159	7	US-11-087-099-1692	Sequence 5561, Ap
60	61.9	161	7	US-11-087-099-5561	Sequence 12299, A
61	61.9	175	7	US-11-087-099-12299	Sequence 9633, Ap
62	61.9	181	7	US-11-087-099-9963	Sequence 50, Appl
63	61.9	185	7	US-11-212-443-50	Sequence 10782, A
64	61.9	216	7	US-11-098-686-10782	Sequence 11433, A
65	61.9	240	7	US-11-098-686-11433	Sequence 19013, A
66	61.9	278	7	US-11-096-568A-19013	Sequence 19012, A
67	61.9	282	7	US-11-096-568A-19012	Sequence 11118, A
68	61.9	298	7	US-11-087-099-11118	Sequence 1599, Ap
69	61.9	310	6	US-10-821-234-1599	Sequence 3332, Ap
70	61.9	323	7	US-11-156-084-336	Sequence 19792, A
71	61.9	337	6	US-10-467-657-3432	Sequence 144, Appl
72	61.9	435	7	US-11-096-568A-19792	Sequence 19791, A
73	61.9	443	7	US-11-240-769-144	Sequence 19790, A
74	61.9	448	7	US-11-096-568A-19791	Sequence 75, Appl
75	61.9	451	7	US-11-096-568A-19790	Sequence 153, Appl
76	61.9	451	7	US-11-240-769-75	Sequence 333, Appl
77	61.9	472	6	US-10-485-517-153	Sequence 582, Appl
78	61.9	474	7	US-11-024-959-383	Sequence 12979, A
79	61.9	487	7	US-11-249-847-582	Sequence 12978, A
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81	61.9	636	7	US-11-096-568A-12978	Sequence 27646, A
82	61.9	664	7	US-11-096-568A-27647	Sequence 19746, A
83	61.9	666	7	US-11-096-568A-27646	Sequence 2689, Ap
84	61.9	690	7	US-11-096-568A-12977	Sequence 2689, Ap
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86	59.5	29	7	US-11-129-741-2689	Sequence 319, Appl
87	59.5	44	6	US-10-485-517-213	Sequence 811, Appl
88	59.5	52	7	US-11-000-463-339	Sequence 416, Appl
89	59.5	52	7	US-11-000-463-811	Sequence 8885, Ap
90	59.5	97	7	US-11-124-367A-476	Sequence 41284, A
91	59.5	97	7	US-11-087-099-8885	Sequence 2198, Ap
92	59.5	106	7	US-11-096-568A-24286	Sequence 3878, Ap
93	59.5	110	7	US-11-129-741-4194	Sequence 8289, Ap
94	59.5	133	7	US-11-096-568A-3878	Sequence 5905, Ap
95	59.5	133	7	US-11-087-099-8289	Sequence 824, Appl
96	59.5	149	6	US-10-793-626-594	
97	59.5	159	7	US-11-087-099-5905	
98	59.5	183	7	US-11-087-099-824	

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100	25	59.5	183	7	US-11-087-099-5325	Sequence 5325, Ap	173	25	59.5	759	7	US-11-128-420-11	Sequence 12, Appl
101	25	59.5	183	7	US-11-087-099-5921	Sequence 5921, Ap	174	25	59.5	759	7	US-11-087-099-10005	Sequence 10005, A
102	25	59.5	203	7	US-11-096-568A-22713	Sequence 22713, A	175	25	59.5	867	7	US-11-096-568A-24557	Sequence 24557, A
103	25	59.5	206	7	US-11-090-439-44	Sequence 44, Appl	176	25	59.5	871	6	US-10-467-657-4588	Sequence 4588, Ap
104	25	59.5	207	6	US-10-873-528-1	Sequence 1, Appl1	177	25	59.5	871	6	US-10-467-657-7182	Sequence 7182, Ap
105	25	59.5	210	7	US-11-096-568A-804	Sequence 804, App	178	25	59.5	903	7	US-11-096-568A-24556	Sequence 24556, A
106	25	59.5	211	7	US-11-096-568A-3877	Sequence 3877, Ap	179	25	59.5	923	7	US-11-007-428-6	Sequence 6, Appl1
107	25	59.5	214	7	US-11-096-568A-3876	Sequence 3876, Ap	180	25	59.5	945	7	US-11-019-911-121	Sequence 121, App
108	25	59.5	219	7	US-11-096-568A-11237	Sequence 11237, A	181	25	59.5	1017	7	US-11-098-686-10257	Sequence 10257, A
109	25	59.5	220	7	US-11-096-568A-14650	Sequence 14650, A	182	25	59.5	1017	7	US-11-087-099-6494	Sequence 6494, Ap
110	25	59.5	220	7	US-11-096-568A-22712	Sequence 22712, A	183	25	59.5	1480	7	US-11-096-568A-22128	Sequence 22128, A
111	25	59.5	223	7	US-11-096-568A-803	Sequence 803, App	184	25	59.5	1591	6	US-10-495-083-4	Sequence 4, Appl1
112	25	59.5	224	7	US-11-096-568A-802	Sequence 802, App	185	25	59.5	1591	6	US-10-495-083-5	Sequence 5, Appl1
113	25	59.5	226	7	US-11-087-099-1180	Sequence 1180, App	186	25	59.5	1622	6	US-10-495-083-6	Sequence 6, Appl1
114	25	59.5	236	7	US-11-087-099-2806	Sequence 2806, Ap	187	25	59.5	1857	7	US-11-102-217-2	Sequence 2, Appl1
115	25	59.5	239	6	US-10-467-657-8556	Sequence 8556, Ap	188	25	59.5	1980	7	US-11-179-624-3	Sequence 3, Appl1
116	25	59.5	253	7	US-11-096-568A-18724	Sequence 18724, A	189	25	59.5	1985	6	US-10-495-083-7	Sequence 7, Appl1
117	25	59.5	259	6	US-10-498-026-23	Sequence 23, Appl1	190	24	57.1	424	6	US-10-957-887B-184	Sequence 184, App
118	25	59.5	261	7	US-11-072-512-2517	Sequence 2517, Ap	191	24	57.1	87	6	US-10-821-234-1279	Sequence 1279, Ap
119	25	59.5	264	7	US-11-087-099-3582	Sequence 3582, Ap	192	24	57.1	87	6	US-10-475-075-192	Sequence 192, App
120	25	59.5	264	7	US-11-087-099-3970	Sequence 3970, Ap	193	24	57.1	87	6	US-10-475-075-476	Sequence 476, App
121	25	59.5	264	7	US-11-087-099-5972	Sequence 5973, Ap	194	24	57.1	87	7	US-11-080-991-24	Sequence 24, Appl
122	25	59.5	264	7	US-11-087-099-6067	Sequence 6067, Ap	195	24	57.1	112	7	US-11-098-686-11210	Sequence 11210, A
123	25	59.5	264	7	US-11-087-099-9886	Sequence 9886, Ap	196	24	57.1	120	7	US-11-096-568A-25320	Sequence 25320, A
124	25	59.5	264	7	US-11-087-099-10487	Sequence 10487, A	197	24	57.1	126	6	US-10-467-657-5286	Sequence 5286, Ap
125	25	59.5	264	7	US-11-087-099-12360	Sequence 12360, A	198	24	57.1	132	6	US-10-821-234-1218	Sequence 1218, Ap
126	25	59.5	266	7	US-11-087-099-2659	Sequence 2659, Ap	199	24	57.1	144	7	US-11-096-568A-8849	Sequence 849, App
127	25	59.5	266	7	US-11-087-099-11501	Sequence 11501, Ap	200	24	57.1	148	6	US-10-510-386-120	Sequence 120, App
128	25	59.5	301	7	US-11-087-099-11444	Sequence 11444, A	201	24	57.1	148	7	US-11-098-686-11049	Sequence 11049, A
129	25	59.5	332	7	US-11-096-568A-22711	Sequence 22711, A	202	24	57.1	153	6	US-10-467-657-8038	Sequence 8038, Ap
130	25	59.5	335	6	US-10-873-528-141	Sequence 141, App	203	24	57.1	154	7	US-11-072-512-2867	Sequence 2867, Ap
131	25	59.5	325	7	US-11-096-568A-23538	Sequence 23538, A	204	24	57.1	171	7	US-11-096-568A-24841	Sequence 24841, A
132	25	59.5	328	7	US-11-096-568A-18723	Sequence 18723, A	205	24	57.1	176	7	US-11-096-568A-8848	Sequence 848, App
133	25	59.5	341	7	US-11-096-568A-23537	Sequence 23537, A	206	24	57.1	181	7	US-11-087-099-8544	Sequence 8544, Ap
134	25	59.5	347	7	US-11-096-568A-31675	Sequence 31675, A	207	24	57.1	181	7	US-11-096-568A-8544	Sequence 8544, Ap
135	25	59.5	355	7	US-11-087-099-645	Sequence 645, App	208	24	57.1	187	7	US-11-096-568A-16167	Sequence 16167, A
136	25	59.5	355	7	US-11-087-099-8468	Sequence 8468, Ap	209	24	57.1	189	7	US-11-096-568A-24840	Sequence 24840, A
137	25	59.5	365	7	US-11-087-099-12157	Sequence 12157, A	210	24	57.1	196	7	US-11-087-099-8782	Sequence 8782, Ap
138	25	59.5	367	7	US-11-087-099-3681	Sequence 3681, A	211	24	57.1	196	7	US-11-087-099-11349	Sequence 11349, A
139	25	59.5	372	7	US-11-096-568A-16218	Sequence 16218, A	212	24	57.1	198	7	US-11-096-568A-16166	Sequence 16166, A
140	25	59.5	372	7	US-11-096-568A-19309	Sequence 19309, A	213	24	57.1	201	7	US-11-087-099-3228	Sequence 3228, Ap
141	25	59.5	379	7	US-11-096-568A-16217	Sequence 16217, A	214	24	57.1	201	7	US-11-087-099-5361	Sequence 5361, Ap
142	25	59.5	379	7	US-11-096-568A-19308	Sequence 19308, A	215	24	57.1	204	7	US-11-080-991-8	Sequence 8, Appl1
143	25	59.5	387	7	US-11-098-686-11142	Sequence 11142, A	216	24	57.1	219	7	US-11-087-099-11553	Sequence 11553, A
144	25	59.5	388	7	US-11-226-701-17	Sequence 17, Appl	217	24	57.1	227	6	US-10-467-657-970	Sequence 970, App
145	25	59.5	396	6	US-10-055-877-158	Sequence 158, App	218	24	57.1	244	7	US-11-087-099-10643	Sequence 10643, A
146	25	59.5	411	7	US-11-087-099-4202	Sequence 4202, Ap	219	24	57.1	254	6	US-10-467-657-3450	Sequence 3450, Ap
147	25	59.5	440	7	US-11-098-686-10923	Sequence 10923, A	220	24	57.1	271	7	US-11-087-099-1560	Sequence 1560, Ap
148	25	59.5	445	7	US-11-096-568A-16216	Sequence 16216, A	221	24	57.1	274	7	US-11-087-099-1569	Sequence 1569, Ap
149	25	59.5	445	7	US-11-096-568A-19307	Sequence 19307, A	222	24	57.1	275	6	US-10-467-657-2242	Sequence 2242, Ap
150	25	59.5	458	7	US-11-000-463-350	Sequence 350, App	223	24	57.1	297	7	US-11-096-568A-16316	Sequence 16316, A
151	25	59.5	458	7	US-11-000-463-822	Sequence 822, App	224	24	57.1	297	7	US-11-039-398-4	Sequence 4, Appl1
152	25	59.5	462	7	US-11-087-099-3735	Sequence 3735, App	225	24	57.1	299	7	US-11-087-099-7161	Sequence 7161, Ap
153	25	59.5	474	7	US-11-087-099-10523	Sequence 10523, A	226	24	57.1	305	7	US-11-087-099-5438	Sequence 5438, Ap
154	25	59.5	485	6	US-10-793-626-2076	Sequence 2076, Ap	227	24	57.1	335	7	US-11-096-568A-8543	Sequence 8543, Ap
155	25	59.5	485	7	US-11-087-099-9728	Sequence 9728, Ap	228	24	57.1	310	7	US-11-096-568A-6700	Sequence 6700, Ap
156	25	59.5	487	7	US-11-087-099-6476	Sequence 6476, Ap	229	24	57.1	322	6	US-10-467-657-2352	Sequence 2352, Ap
157	25	59.5	489	7	US-11-087-099-748	Sequence 748, App	230	24	57.1	322	7	US-11-096-568A-8542	Sequence 8542, Ap
158	25	59.5	492	6	US-10-793-626-770	Sequence 770, App	231	24	57.1	346	6	US-10-793-626-504	Sequence 504, App
159	25	59.5	505	7	US-11-096-568A-31674	Sequence 31674, A	232	24	57.1	346	7	US-11-077-386-24	Sequence 24, Appl
160	25	59.5	509	7	US-11-096-568A-31673	Sequence 31673, A	233	24	57.1	349	7	US-11-098-686-10641	Sequence 10641, A
161	25	59.5	525	6	US-10-793-626-1292	Sequence 1292, A	234	24	57.1	363	7	US-11-055-822-646	Sequence 646, App
162	25	59.5	530	6	US-10-493-909-85	Sequence 85, Appl	235	24	57.1	366	7	US-11-087-099-8278	Sequence 8278, Ap
163	25	59.5	534	7	US-11-075-185-17	Sequence 17, Appl	236	24	57.1	376	7	US-11-087-099-11566	Sequence 11566, A
164	25	59.5	548	7	US-11-072-512-3500	Sequence 3500, Ap	237	24	57.1	376	7	US-11-109-157A-12	Sequence 12, Appl
165	25	59.5	560	6	US-10-623-155-725	Sequence 225, App	238	24	57.1	377	7	US-11-096-568A-12593	Sequence 12593, A
166	25	59.5	563	6	US-10-821-234-1067	Sequence 1067, Ap	239	24	57.1	382	6	US-10-395-581-926	Sequence 926, App
167	25	59.5	571	7	US-11-072-512-2709	Sequence 2709, Ap	240	24	57.1	383	7	US-11-069-185-8	Sequence 8, Appl1
168	25	59.5	572	6	US-10-467-657-8724	Sequence 7724, Ap	241	24	57.1	383	6	US-10-793-626-2026	Sequence 2026, Ap
169	25	59.5	572	7	US-11-087-099-7889	Sequence 7889, Ap	242	24	57.1	388	7	US-11-096-568A-12592	Sequence 12592, Ap
170	25	59.5	600	6	US-10-467-657-2008	Sequence 2008, Ap	243	24	57.1	400	6	US-10-821-234-1273	Sequence 1273, Ap
171	25	59.5	719	6	US-10-793-626-1548	Sequence 1548, Ap	244	24	57.1	400	7	US-11-077-386-26	Sequence 26, Appl

245	24	57.1	414	7	US-11-096-568A-23357	Sequence 23357, A	318	24	57.1	1342	7	US-11-113-202-14	Sequence 14, Appl
246	24	57.1	415	6	US-10-925-561-927	Sequence 927, App	319	24	57.1	1408	7	US-11-087-099-8482	Sequence 882, App
247	24	57.1	415	7	US-11-219-282-10	Sequence 10, Appl	320	24	57.1	1680	6	US-10-517-939-362	Sequence 362, App
248	24	57.1	415	7	US-11-048-774-4	Sequence 4, Appl1	321	24	57.1	2105	7	US-11-052-554A-173	Sequence 173, App
249	24	57.1	416	7	US-11-096-568A-11836	Sequence 11836, A	322	24	57.1	2376	7	US-11-096-568A-27513	Sequence 27513, A
250	24	57.1	417	7	US-11-096-568A-11835	Sequence 11835, A	323	24	57.1	2518	7	US-11-096-568A-27512	Sequence 27512, A
251	24	57.1	423	6	US-10-821-234-900	Sequence 900, App	324	24	57.1	2535	7	US-11-096-568A-27511	Sequence 27511, A
252	24	57.1	426	7	US-11-087-099-423	Sequence 423, App	325	24	57.1	2671	6	US-10-876-787-6	Sequence 6, Appl1
253	24	57.1	430	7	US-11-096-568A-23356	Sequence 23356, A	326	23	54.8	127	7	US-11-129-741-4195	Sequence 4195, App
254	24	57.1	432	7	US-11-194-246-308	Sequence 308, App	327	23	54.8	28	7	US-11-004-399-2399	Sequence 2399, App
255	24	57.1	447	7	US-11-055-822-1070	Sequence 1070, App	328	23	54.8	51	7	US-11-000-463-362	Sequence 362, App
256	24	57.1	451	7	US-11-039-398-2	Sequence 2, Appl1	329	23	54.8	51	7	US-11-000-463-834	Sequence 834, App
257	24	57.1	457	7	US-11-087-099-1034	Sequence 1034, App	330	23	54.8	95	7	US-11-098-686-11207	Sequence 11207, A
258	24	57.1	459	7	US-11-087-099-6435	Sequence 6435, App	331	23	54.8	97	7	US-11-096-568A-21114	Sequence 2114, App
259	24	57.1	462	7	US-11-096-568A-11834	Sequence 11834, A	332	23	54.8	99	6	US-10-860-649-3	Sequence 3, Appl1
260	24	57.1	465	6	US-10-878-556A-116	Sequence 116, App	333	23	54.8	100	5	US-09-395-493-104	Sequence 104, App
261	24	57.1	466	7	US-11-173-672-1	Sequence 1, Appl1	334	23	54.8	107	7	US-11-096-568A-4290	Sequence 4290, App
262	24	57.1	467	6	US-10-511-989-175	Sequence 175, App	335	23	54.8	107	7	US-11-096-568A-4289	Sequence 4289, App
263	24	57.1	471	7	US-11-087-099-1749	Sequence 1749, App	336	23	54.8	114	7	US-11-072-512-2659	Sequence 2659, App
264	24	57.1	472	7	US-11-087-099-1815	Sequence 1815, App	337	23	54.8	123	7	US-11-087-099-3634	Sequence 3634, App
265	24	57.1	475	7	US-11-063-889-52	Sequence 23355, A	338	23	54.8	127	7	US-11-096-568A-33144	Sequence 33144, A
266	24	57.1	485	7	US-11-043-889-52	Sequence 52, Appl	339	23	54.8	133	7	US-11-176-830-483	Sequence 483, App
267	24	57.1	485	7	US-11-096-568A-7902	Sequence 7902, App	340	23	54.8	133	7	US-11-087-099-2707	Sequence 2707, App
268	24	57.1	486	7	US-11-039-398-6	Sequence 6, Appl1	341	23	54.8	135	7	US-11-087-099-698	Sequence 698, App
269	24	57.1	487	7	US-11-087-099-6974	Sequence 6974, App	342	23	54.8	137	7	US-11-096-568A-23066	Sequence 23066, A
270	24	57.1	489	7	US-11-087-099-2123	Sequence 2123, App	343	23	54.8	140	7	US-11-087-099-2015	Sequence 2015, App
271	24	57.1	498	7	US-11-087-099-12124	Sequence 12124, A	344	23	54.8	142	7	US-11-055-822-64	Sequence 64, Appl
272	24	57.1	498	7	US-11-096-568A-7901	Sequence 7901, App	345	23	54.8	143	7	US-11-156-084-89	Sequence 89, Appl
273	24	57.1	499	7	US-11-087-099-10769	Sequence 10769, A	346	23	54.8	149	7	US-11-096-568A-21113	Sequence 2113, App
274	24	57.1	500	7	US-11-087-099-11361	Sequence 11361, A	347	23	54.8	152	7	US-11-098-686-112076	Sequence 112076, A
275	24	57.1	500	7	US-11-096-568A-7900	Sequence 7900, App	348	23	54.8	157	7	US-11-087-099-8660	Sequence 8660, App
276	24	57.1	501	7	US-11-087-099-1586	Sequence 1586, App	349	23	54.8	160	6	US-10-793-626-3144	Sequence 3144, App
277	24	57.1	505	7	US-11-087-099-6925	Sequence 6925, App	350	23	54.8	164	7	US-11-072-512-2900	Sequence 2900, App
278	24	57.1	506	7	US-11-096-568A-29682	Sequence 29682, A	351	23	54.8	167	7	US-11-098-686-120956	Sequence 120956, A
279	24	57.1	513	6	US-10-467-657-5464	Sequence 5464, App	352	23	54.8	170	7	US-11-087-099-4479	Sequence 4479, App
280	24	57.1	517	7	US-11-072-512-2679	Sequence 2679, App	353	23	54.8	175	7	US-11-087-099-3913	Sequence 3913, App
281	24	57.1	523	7	US-11-072-512-2046	Sequence 2046, App	354	23	54.8	177	7	US-11-156-084-90	Sequence 90, Appl
282	24	57.1	534	7	US-11-077-386-25	Sequence 25, Appl	355	23	54.8	177	7	US-11-087-099-8809	Sequence 8809, App
283	24	57.1	535	6	US-10-493-909-84	Sequence 84, Appl	356	23	54.8	178	7	US-11-096-568A-3321	Sequence 3521, App
284	24	57.1	546	7	US-11-096-568A-31804	Sequence 31804, A	357	23	54.8	179	7	US-11-098-686-110904	Sequence 110904, A
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286	24	57.1	556	7	US-11-096-568A-31803	Sequence 31803, A	359	23	54.8	185	7	US-11-072-512-1972	Sequence 1972, App
287	24	57.1	572	7	US-11-096-568A-29680	Sequence 29680, A	360	23	54.8	185	7	US-11-087-099-8331	Sequence 8331, App
288	24	57.1	591	6	US-10-467-657-718	Sequence 718, App	361	23	54.8	192	7	US-11-087-099-9855	Sequence 9855, App
289	24	57.1	596	7	US-11-096-568A-31802	Sequence 31802, A	362	23	54.8	193	6	US-10-467-657-674	Sequence 674, App
290	24	57.1	608	7	US-11-109-157A-11	Sequence 11, Appl	363	23	54.8	195	6	US-10-860-649-1	Sequence 1, Appl1
291	24	57.1	619	7	US-11-109-157A-42	Sequence 42, Appl	364	23	54.8	197	7	US-11-087-099-4852	Sequence 4852, App
292	24	57.1	701	7	US-11-055-822-1066	Sequence 1066, App	365	23	54.8	197	7	US-11-087-099-6108	Sequence 6108, App
293	24	57.1	711	6	US-10-821-234-1017	Sequence 1017, App	366	23	54.8	198	7	US-11-082-389-302	Sequence 302, App
294	24	57.1	718	7	US-11-147-109-6	Sequence 6, Appl1	367	23	54.8	202	7	US-11-096-568A-11380	Sequence 11380, A
295	24	57.1	741	7	US-11-052-554A-161	Sequence 161, App	368	23	54.8	210	6	US-10-821-234-1042	Sequence 1042, App
296	24	57.1	743	7	US-11-072-512-2340	Sequence 2340, App	369	23	54.8	211	6	US-10-981-873-41	Sequence 41, Appl
297	24	57.1	759	7	US-11-096-568A-29706	Sequence 29706, A	370	23	54.8	214	7	US-11-096-568A-20902	Sequence 20902, App
298	24	57.1	764	7	US-11-096-568A-29705	Sequence 29705, A	371	23	54.8	216	7	US-11-096-568A-31555	Sequence 31555, A
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300	24	57.1	777	7	US-11-087-099-3345	Sequence 3345, App	373	23	54.8	225	6	US-10-467-657-8466	Sequence 8466, App
301	24	57.1	838	7	US-11-072-512-2819	Sequence 2819, App	374	23	54.8	225	7	US-11-096-568A-5771	Sequence 5771, App
302	24	57.1	871	7	US-11-109-157A-10	Sequence 10, Appl	375	23	54.8	235	6	US-10-453-372-784	Sequence 784, App
303	24	57.1	1026	7	US-11-169-041-205	Sequence 205, App	376	23	54.8	246	7	US-11-098-686-10436	Sequence 10436, A
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309	24	57.1	1222	7	US-11-039-398-8	Sequence 8, Appl1	382	23	54.8	267	7	US-11-096-568A-23035	Sequence 23035, A
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311	24	57.1	1235	7	US-11-039-398-16	Sequence 16, Appl	384	23	54.8	283	7	US-11-087-099-2466	Sequence 2466, App
312	24	57.1	1252	7	US-11-039-398-20	Sequence 20, Appl	385	23	54.8	283	7	US-11-087-099-5024	Sequence 5024, App
313	24	57.1	1329	7	US-11-052-554A-136	Sequence 136, App	386	23	54.8	283	7	US-11-087-099-6793	Sequence 6793, App
314	24	57.1	1329	7	US-11-087-099-682	Sequence 882, App	387	23	54.8	283	7	US-11-087-099-6947	Sequence 6947, App
315	24	57.1	1342	6	US-10-770-726-63	Sequence 63, Appl	388	23	54.8	283	7	US-11-087-099-9650	Sequence 9650, App
316	24	57.1	1342	7	US-11-113-202-12	Sequence 12, Appl	389	23	54.8	283	7	US-11-087-099-9997	Sequence 9997, App
317	24	57.1	1342	7	US-11-113-202-12	Sequence 12, Appl	390	23	54.8	283	7	US-11-087-099-9997	Sequence 9997, App

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392	23	54.8	263	7	US-11-087-099-10189	Sequence 10189, A	465	23	54.8	405	6	US-10-793-626-2962	Sequence 2962, Ap
393	23	54.8	263	7	US-11-087-099-11195	Sequence 11195, A	466	23	54.8	418	7	US-11-225-709-41	Sequence 41, Appl
394	23	54.8	263	7	US-11-087-099-11573	Sequence 11573, A	467	23	54.8	419	6	US-10-330-773-746	Sequence 746, Appl
395	23	54.8	264	7	US-11-087-099-2661	Sequence 2661, Ap	468	23	54.8	419	7	US-11-040-213-87	Sequence 87, Appl
396	23	54.8	264	7	US-11-096-568A-29160	Sequence 29160, A	469	23	54.8	420	7	US-11-188-353-8	Sequence 8, Appl1
397	23	54.8	264	7	US-11-096-568A-32189	Sequence 32189, A	470	23	54.8	425	7	US-11-087-099-6550	Sequence 6530, Ap
398	23	54.8	266	7	US-11-087-099-11483	Sequence 11483, A	471	23	54.8	429	7	US-11-087-099-2168	Sequence 2168, Ap
399	23	54.8	271	6	US-11-087-099-5704	Sequence 5704, Ap	472	23	54.8	429	7	US-11-087-099-3487	Sequence 3487, Ap
400	23	54.8	271	6	US-10-467-657-7690	Sequence 7690, Ap	473	23	54.8	429	7	US-11-087-099-4435	Sequence 4435, Ap
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403	23	54.8	279	6	US-10-467-657-3232	Sequence 3232, Ap	476	23	54.8	433	7	US-11-040-218-89	Sequence 89, Appl1
404	23	54.8	280	7	US-11-087-099-789	Sequence 789, App	477	23	54.8	434	7	US-11-087-099-3939	Sequence 3939, Ap
405	23	54.8	281	7	US-11-082-389-304	Sequence 304, App	478	23	54.8	437	7	US-11-096-568A-26003	Sequence 26003, A
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407	23	54.8	284	6	US-10-453-372-790	Sequence 790, App	480	23	54.8	443	7	US-11-096-568A-33969	Sequence 33969, A
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409	23	54.8	290	6	US-10-453-372-776	Sequence 776, App	482	23	54.8	447	6	US-10-793-626-2900	Sequence 2900, Ap
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413	23	54.8	296	6	US-10-793-626-866	Sequence 866, App	486	23	54.8	450	6	US-10-793-626-3236	Sequence 3236, Ap
414	23	54.8	296	7	US-11-087-099-12429	Sequence 12429, A	487	23	54.8	450	7	US-11-096-568A-6163	Sequence 6163, Ap
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416	23	54.8	302	6	US-10-453-372-780	Sequence 780, App	489	23	54.8	452	7	US-11-087-099-9683	Sequence 9683, Ap
417	23	54.8	302	6	US-10-453-372-782	Sequence 782, App	490	23	54.8	452	7	US-11-087-099-10068	Sequence 10068, A
418	23	54.8	302	6	US-10-453-372-788	Sequence 788, App	491	23	54.8	454	7	US-11-087-099-4532	Sequence 4532, Ap
419	23	54.8	302	6	US-10-453-372-792	Sequence 792, App	492	23	54.8	454	7	US-11-087-099-10414	Sequence 10414, A
420	23	54.8	306	6	US-10-467-657-2476	Sequence 2476, Ap	493	23	54.8	454	7	US-11-087-099-12151	Sequence 12151, A
421	23	54.8	307	7	US-11-096-568A-11379	Sequence 11379, A	494	23	54.8	456	7	US-11-069-642-8	Sequence 8, Appl1
422	23	54.8	309	6	US-10-453-372-778	Sequence 778, App	495	23	54.8	456	7	US-11-087-099-3625	Sequence 3625, Ap
423	23	54.8	311	7	US-11-087-099-9942	Sequence 9942, Ap	496	23	54.8	458	6	US-10-453-372-786	Sequence 786, App
424	23	54.8	311	7	US-11-096-568A-29034	Sequence 29034, A	497	23	54.8	462	7	US-11-087-099-3504	Sequence 3504, Ap
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427	23	54.8	325	7	US-11-052-554A-356	Sequence 356, App	500	23	54.8	467	7	US-11-096-568A-6162	Sequence 6162, Ap
428	23	54.8	326	7	US-11-037-243-105	Sequence 105, App	501	23	54.8	467	7	US-11-087-099-2830	Sequence 2830, Ap
429	23	54.8	327	7	US-11-072-512-2021	Sequence 2021, App	502	23	54.8	467	7	US-11-087-099-1093	Sequence 1093, Ap
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432	23	54.8	337	7	US-11-087-099-9249	Sequence 9249, Ap	505	23	54.8	464	7	US-11-096-568A-6622	Sequence 6022, Ap
433	23	54.8	338	7	US-11-096-568A-29159	Sequence 29159, A	506	23	54.8	466	7	US-11-087-099-7394	Sequence 7394, Ap
434	23	54.8	340	7	US-11-087-099-10476	Sequence 10476, A	507	23	54.8	466	7	US-11-087-099-7340	Sequence 7410, Ap
435	23	54.8	342	7	US-11-098-686-10521	Sequence 10521, A	508	23	54.8	467	7	US-11-188-353-2	Sequence 2, Appl1
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439	23	54.8	344	7	US-11-096-568A-17216	Sequence 17216, A	512	23	54.8	475	7	US-11-087-099-1092	Sequence 1092, App
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443	23	54.8	351	7	US-11-072-175-236	Sequence 236, App	516	23	54.8	480	7	US-11-087-099-852	Sequence 8523, Ap
444	23	54.8	351	7	US-11-096-568A-5769	Sequence 5769, App	517	23	54.8	480	7	US-11-096-568A-8022	Sequence 8022, Ap
445	23	54.8	353	6	US-10-467-657-3964	Sequence 3964, Ap	518	23	54.8	481	7	US-11-087-099-5130	Sequence 5196, Ap
446	23	54.8	355	7	US-11-098-686-11073	Sequence 11073, A	519	23	54.8	481	7	US-11-087-099-8868	Sequence 8868, Ap
447	23	54.8	356	7	US-11-096-568A-8023	Sequence 8023, Ap	520	23	54.8	485	7	US-11-087-099-3590	Sequence 398, App
448	23	54.8	361	7	US-11-129-143-108	Sequence 108, App	521	23	54.8	487	7	US-11-087-099-9398	Sequence 9900, Ap
449	23	54.8	361	7	US-11-096-568A-32187	Sequence 32187, A	522	23	54.8	487	7	US-11-096-568A-22730	Sequence 22730, A
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453	23	54.8	376	6	US-10-485-517-218	Sequence 218, App	526	23	54.8	495	7	US-11-052-554A-69	Sequence 69, Appl1
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455	23	54.8	382	7	US-11-087-099-3182	Sequence 3182, Ap	528	23	54.8	496	7	US-11-087-099-10022	Sequence 10022, A
456	23	54.8	383	7	US-11-096-568A-19533	Sequence 19533, A	529	23	54.8	496	7	US-11-087-099-10536	Sequence 10536, A
457	23	54.8	383	7	US-11-096-568A-28430	Sequence 28430, A	530	23	54.8	496	7	US-11-087-099-12002	Sequence 12002, A
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459	23	54.8	389	7	US-11-096-568A-26004	Sequence 26004, A	532	23	54.8	502	7	US-11-112-824-34	Sequence 34, Appl1
460	23	54.8	390	7	US-11-194-246-288	Sequence 288, App	533	23	54.8	502	7	US-11-112-824-35	Sequence 35, Appl1
461	23	54.8	391	7	US-11-127-877-52	Sequence 52, Appl1	534	23	54.8	502	7	US-11-112-824-36	Sequence 36, Appl1
462	23	54.8	391	7	US-11-096-568A-19532	Sequence 19532, A	535	23	54.8	502	7	US-11-112-824-37	Sequence 37, Appl1
463	23	54.8	392	7	US-11-188-353-4	Sequence 4, Appl1	536	23	54.8	502	7	US-11-112-824-38	Sequence 38, Appl1

537	23	54.8	502	7	US-11-112-824-39	Sequence 39, Appl	610	23	54.8	945	7	US-11-183-136-20	Sequence 20, Appl
538	23	54.8	502	7	US-11-208-308-17	Sequence 17, Appl	611	23	54.8	955	7	US-11-096-568A-30987	Sequence 30987, A
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540	23	54.8	506	7	US-11-096-568A-33968	Sequence 33968, A	613	23	54.8	1095	7	US-11-113-424-54	Sequence 54, Appl
541	23	54.8	508	7	US-11-087-099-12121	Sequence 12121, A	614	23	54.8	1049	7	US-11-137-465-42	Sequence 42, Appl
542	23	54.8	509	7	US-11-096-568A-13031	Sequence 13031, A	615	23	54.8	1094	6	US-10-821-234-1097	Sequence 1097, Ap
543	23	54.8	514	7	US-11-096-568A-13030	Sequence 13030, A	616	23	54.8	1122	7	US-11-191-374-3	Sequence 3, Appl1
544	23	54.8	519	6	US-10-523-477-8	Sequence 8, Appl1	617	23	54.8	1122	7	US-11-191-375-3	Sequence 3, Appl1
545	23	54.8	519	6	US-10-467-099-1562	Sequence 1562, Ap	618	23	54.8	1122	7	US-11-191-588-3	Sequence 3, Appl1
546	23	54.8	523	6	US-10-467-099-5392	Sequence 5392, Ap	619	23	54.8	1210	7	US-11-113-202-6	Sequence 6, Appl1
547	23	54.8	524	6	US-10-467-099-8122	Sequence 8122, Ap	620	23	54.8	1210	7	US-11-145-566-1	Sequence 1, Appl1
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549	23	54.8	530	6	US-11-096-568A-22728	Sequence 22728, A	622	23	54.8	1232	7	US-11-115-639-34	Sequence 34, Appl
550	23	54.8	533	7	US-11-230-995-3	Sequence 3, Appl1	623	23	54.8	1252	7	US-11-115-639-35	Sequence 35, Appl
551	23	54.8	535	7	US-11-096-568A-13029	Sequence 13029, A	624	23	54.8	1252	7	US-11-115-639-36	Sequence 36, Appl
552	23	54.8	536	6	US-10-821-231C-1	Sequence 1, Appl1	625	23	54.8	1431	6	US-10-501-035-220	Sequence 220, App
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558	23	54.8	540	7	US-11-087-099-10194	Sequence 10194, A	631	23	54.8	1635	7	US-11-096-568A-30743	Sequence 30743, A
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560	23	54.8	542	7	US-11-087-099-2680	Sequence 2680, Ap	633	23	54.8	1963	6	US-10-877-346-43	Sequence 43, Appl
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563	23	54.8	543	7	US-11-087-099-8020	Sequence 8020, Ap	636	23	54.8	2376	7	US-11-096-051-4	Sequence 4, Appl1
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567	23	54.8	602	7	US-11-131-263-19	Sequence 19, Appl	640	23	54.8	2721	7	US-11-096-051-10	Sequence 10, Appl
568	23	54.8	602	7	US-11-131-263-29	Sequence 29, Appl	641	23	54.8	3295	7	US-11-096-051-8	Sequence 8, Appl1
569	23	54.8	602	7	US-11-131-263-158	Sequence 158, App	642	23	54.8	3725	7	US-11-052-554A-90	Sequence 90, Appl
570	23	54.8	621	7	US-11-096-568A-2529	Sequence 2529, App	643	23	54.8	5935	6	US-10-995-561-776	Sequence 776, App
571	23	54.8	624	7	US-11-096-568A-33567	Sequence 33567, A	644	23	54.8	14	7	US-11-129-741-3460	Sequence 3460, Ap
572	23	54.8	630	7	US-11-096-568A-29050	Sequence 29050, A	645	22	52.4	15	7	US-11-004-399-945	Sequence 945, App
573	23	54.8	638	6	US-10-995-561-536	Sequence 536, App	646	22	52.4	21	6	US-10-895-064-1182	Sequence 1182, Ap
574	23	54.8	638	7	US-11-054-281-30	Sequence 30, Appl	647	22	52.4	54	7	US-11-129-741-1182	Sequence 1182, Ap
575	23	54.8	638	7	US-11-054-281-111	Sequence 111, Appl	648	22	52.4	54	7	US-11-004-399-2050	Sequence 2050, Ap
576	23	54.8	638	7	US-11-054-281-112	Sequence 112, App	649	22	52.4	61	7	US-11-183-567A-10	Sequence 10, Appl
577	23	54.8	638	7	US-11-087-099-1176	Sequence 1176, App	650	22	52.4	64	7	US-11-174-996A-89	Sequence 89, Appl
578	23	54.8	643	7	US-11-054-281-113	Sequence 113, App	651	22	52.4	64	7	US-11-174-996A-89	Sequence 89, Appl
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587	23	54.8	690	6	US-10-973-115B-306	Sequence 306, App	660	22	52.4	111	7	US-11-087-099-596	Sequence 596, App
588	23	54.8	690	6	US-10-973-115B-306	Sequence 306, App	661	22	52.4	114	7	US-11-096-568A-27250	Sequence 27250, A
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590	23	54.8	718	6	US-10-467-962B-65	Sequence 65, Appl	663	22	52.4	119	6	US-10-793-626-2406	Sequence 2406, App
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592	23	54.8	735	6	US-10-467-057-6990	Sequence 6990, App	665	22	52.4	132	7	US-11-096-568A-33322	Sequence 33322, A
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596	23	54.8	793	7	US-11-087-099-6000	Sequence 6000, App	669	22	52.4	136	6	US-10-793-626-1856	Sequence 1856, Ap
597	23	54.8	793	7	US-11-142-700-18	Sequence 18, Appl	670	22	52.4	137	7	US-11-096-568A-10287	Sequence 10287, A
598	23	54.8	813	6	US-10-877-346-45	Sequence 45, Appl	671	22	52.4	137	7	US-11-072-512-2157	Sequence 2157, App
599	23	54.8	839	7	US-11-087-099-2713	Sequence 2713, App	672	22	52.4	137	7	US-11-096-568A-15693	Sequence 15693, A
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607	23	54.8	945	6	US-10-131-826A-146	Sequence 146, App	680	22	52.4	158	7	US-11-087-099-2976	Sequence 2976, App
608	23	54.8	945	6	US-10-973-115B-146	Sequence 146, App	681	22	52.4	160	6	US-10-508-263-110	Sequence 110, App
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684	22	52.4	168	7	US-11-096-568A-33014	Sequence 33014, A	757	22	52.4	278	6	US-10-055-877-115	Sequence 115, App
685	22	52.4	169	6	US-10-504-879-6	Sequence 6, App11	758	22	52.4	276	6	US-10-793-626-2208	Sequence 2208, App
686	22	52.4	169	7	US-11-096-568A-2182	Sequence 2182, Ap	759	22	52.4	278	7	US-11-096-568A-2808	Sequence 2808, Ap
687	22	52.4	179	6	US-10-504-879-8	Sequence 8, App11	760	22	52.4	283	7	US-11-186-284-99	Sequence 99, App1
688	22	52.4	182	7	US-11-087-099-7630	Sequence 7630, Ap	761	22	52.4	283	7	US-11-096-568A-11537	Sequence 11537, A
689	22	52.4	182	7	US-11-096-568A-29779	Sequence 29779, A	762	22	52.4	285	6	US-10-504-879-20	Sequence 20, App1
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692	22	52.4	185	7	US-11-096-568A-33013	Sequence 33013, A	765	22	52.4	294	7	US-11-074-176-34	Sequence 34, App1
693	22	52.4	187	6	US-10-667-295-72	Sequence 72, App1	766	22	52.4	295	7	US-11-087-099-6160	Sequence 6160, Ap
694	22	52.4	187	6	US-10-980-388-71	Sequence 71, App1	767	22	52.4	295	7	US-11-087-099-1686	Sequence 1686, Ap
695	22	52.4	188	7	US-11-234-786-592	Sequence 592, App	768	22	52.4	296	7	US-11-087-099-9314	Sequence 9314, Ap
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697	22	52.4	196	6	US-10-995-561-579	Sequence 579, App	770	22	52.4	306	7	US-11-096-568A-30296	Sequence 30296, A
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701	22	52.4	206	7	US-11-036-797-34	Sequence 34, App1	774	22	52.4	311	7	US-11-000-463-345	Sequence 345, App
702	22	52.4	207	6	US-10-667-295-20	Sequence 20, App1	775	22	52.4	311	7	US-11-000-463-817	Sequence 817, App
703	22	52.4	210	7	US-11-096-568A-23381	Sequence 23381, A	776	22	52.4	311	7	US-11-000-463-829	Sequence 829, App
704	22	52.4	211	6	US-10-667-295-71	Sequence 71, App1	777	22	52.4	311	7	US-11-096-568A-4089	Sequence 4089, Ap
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710	22	52.4	217	6	US-10-330-773-207	Sequence 207, App	783	22	52.4	316	7	US-11-096-568A-2810	Sequence 2810, Ap
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712	22	52.4	219	6	US-10-995-561-580	Sequence 580, App	785	22	52.4	325	7	US-11-087-099-2148	Sequence 2148, Ap
713	22	52.4	219	7	US-11-072-175-150	Sequence 150, App	786	22	52.4	327	7	US-11-087-099-3036	Sequence 3036, Ap
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726	22	52.4	239	6	US-10-980-388-78	Sequence 78, App1	799	22	52.4	340	6	US-10-980-388-117	Sequence 117, App
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730	22	52.4	246	7	US-11-087-099-445	Sequence 445, App	803	22	52.4	342	7	US-11-087-099-8931	Sequence 8931, Ap
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738	22	52.4	256	6	US-10-821-234-1400	Sequence 1400, App	811	22	52.4	346	7	US-11-077-619-64	Sequence 64, App1
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740	22	52.4	259	7	US-11-180-418-4	Sequence 4, App11	813	22	52.4	348	7	US-11-012-522-3	Sequence 3, App11
741	22	52.4	261	6	US-10-821-234-1382	Sequence 1382, Ap	814	22	52.4	348	7	US-11-012-522-4	Sequence 4, App11
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745	22	52.4	262	7	US-11-087-099-4850	Sequence 4850, Ap	818	22	52.4	348	7	US-11-012-522-148	Sequence 148, App
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832	22	52.4	361	7	US-11-096-568A-28287	Sequence 28287, A	905	22	52.4	457	7	US-11-087-099-1111	Sequence 1111, App
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841	22	52.4	374	6	US-10-793-626-442	Sequence 442, App	914	22	52.4	467	7	US-11-096-568A-11427	Sequence 11427, A
842	22	52.4	374	6	US-10-793-626-1356	Sequence 1356, App	915	22	52.4	467	6	US-10-793-626-868	Sequence 868, App
843	22	52.4	374	6	US-10-517-939-340	Sequence 340, App	916	22	52.4	468	6	US-10-793-626-1618	Sequence 1618, App
844	22	52.4	374	6	US-10-517-939-356	Sequence 356, App	917	22	52.4	468	7	US-11-087-099-2203	Sequence 2203, App
845	22	52.4	375	7	US-11-087-099-11240	Sequence 11240, A	918	22	52.4	469	7	US-11-146-428-65	Sequence 65, App1
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847	22	52.4	378	7	US-11-096-568A-12940	Sequence 12940, A	920	22	52.4	472	7	US-11-087-099-5095	Sequence 5095, App
848	22	52.4	379	7	US-11-087-099-8292	Sequence 8292, App	921	22	52.4	472	7	US-11-087-099-9788	Sequence 9788, App
849	22	52.4	380	7	US-11-096-568A-10708	Sequence 10708, A	922	22	52.4	473	7	US-11-087-099-9042	Sequence 9042, App
850	22	52.4	382	7	US-11-012-762-52	Sequence 52, App1	923	22	52.4	475	7	US-11-072-512-3116	Sequence 3116, App
851	22	52.4	384	6	US-10-524-647-124	Sequence 124, App	924	22	52.4	475	7	US-11-087-099-2233	Sequence 2233, App
852	22	52.4	384	6	US-10-524-972-112	Sequence 112, App	925	22	52.4	476	7	US-11-087-099-3599	Sequence 3599, App
853	22	52.4	384	6	US-11-087-099-327	Sequence 327, App	926	22	52.4	476	7	US-11-087-099-8740	Sequence 8740, App
854	22	52.4	389	7	US-11-096-568A-13504	Sequence 13504, A	927	22	52.4	478	6	US-10-873-528-55	Sequence 55, App1
855	22	52.4	391	7	US-11-096-568A-26756	Sequence 26756, A	928	22	52.4	478	7	US-11-037-829A-4	Sequence 4, App1
856	22	52.4	392	7	US-11-096-568A-4087	Sequence 4087, App	929	22	52.4	478	7	US-11-087-099-5422	Sequence 5422, App
857	22	52.4	393	6	US-10-485-517-516	Sequence 516, App	930	22	52.4	478	7	US-11-096-568A-18079	Sequence 18079, A
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860	22	52.4	395	7	US-11-096-568A-32832	Sequence 32832, A	933	22	52.4	480	7	US-11-080-991-76	Sequence 76, App1
861	22	52.4	396	7	US-11-185-877-13	Sequence 13, App1	934	22	52.4	480	7	US-11-098-686-10231	Sequence 10231, A
862	22	52.4	401	7	US-11-096-568A-12792	Sequence 12792, A	935	22	52.4	480	7	US-11-087-099-9924	Sequence 9924, App
863	22	52.4	404	7	US-11-096-568A-22077	Sequence 22077, A	936	22	52.4	481	7	US-11-087-099-2920	Sequence 2920, App
864	22	52.4	407	7	US-11-087-099-7046	Sequence 7046, App	937	22	52.4	481	7	US-11-087-099-9048	Sequence 9048, App
865	22	52.4	407	7	US-11-087-099-10435	Sequence 10435, A	938	22	52.4	481	7	US-11-096-568A-6534	Sequence 6534, App
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871	22	52.4	413	7	US-11-096-568A-28285	Sequence 28285, A	944	22	52.4	484	7	US-11-087-099-9938	Sequence 9938, App
872	22	52.4	414	7	US-11-087-099-2164	Sequence 2164, App	945	22	52.4	484	7	US-11-087-099-11499	Sequence 11499, A
873	22	52.4	416	7	US-11-096-568A-18081	Sequence 18081, A	946	22	52.4	484	7	US-11-146-428-108	Sequence 108, App
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875	22	52.4	421	6	US-10-067-974-2	Sequence 2, App1	948	22	52.4	490	6	US-10-966-483-42	Sequence 42, App1
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882	22	52.4	421	6	US-10-525-674-65	Sequence 65, App1	955	22	52.4	497	6	US-10-966-483-40	Sequence 40, App1
883	22	52.4	421	7	US-11-055-822-26	Sequence 26, App1	956	22	52.4	497	7	US-11-021-441-22	Sequence 22, App1
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887	22	52.4	424	7	US-11-096-568A-11880	Sequence 11880, A	960	22	52.4	503	7	US-11-087-099-9776	Sequence 9776, App
888	22	52.4	430	6	US-11-169-041-200	Sequence 200, App	961	22	52.4	505	7	US-11-057-012-54	Sequence 54, App1
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890	22	52.4	433	7	US-11-087-099-3288	Sequence 2288, App	963	22	52.4	508	7	US-11-087-099-9085	Sequence 9085, App
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892	22	52.4	436	7	US-11-096-568A-12939	Sequence 12939, A	965	22	52.4	511	7	US-11-055-822-698	Sequence 698, App
893	22	52.4	443	6	US-10-793-626-1000	Sequence 1000, App	966	22	52.4	511	7	US-11-087-099-95928	Sequence 95928, App
894	22	52.4	443	7	US-11-096-568A-26754	Sequence 26754, A	967	22	52.4	513	7	US-11-087-099-1119	Sequence 1119, App
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897	22	52.4	449	6	US-10-873-528-110	Sequence 110, App	970	22	52.4	516	6	US-10-501-035-344	Sequence 344, App
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975 22 52.4 526 7 US-11-057-012-57 Sequence 57, Appl
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979 22 52.4 529 7 US-11-096-568A-11878 Sequence 11878, A
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981 22 52.4 539 7 US-11-096-568A-6533 Sequence 6533, Ap
982 22 52.4 541 7 US-11-031-206-46 Sequence 46, Appl
983 22 52.4 542 7 US-11-096-568A-12790 Sequence 12790, A
984 22 52.4 550 7 US-11-055-822-865 Sequence 865, App
985 22 52.4 566 7 US-11-096-568A-32036 Sequence 32036, A
986 22 52.4 567 7 US-11-127-817-16 Sequence 16, Appl
987 22 52.4 570 7 US-11-167-856-28 Sequence 28, Appl
988 22 52.4 570 7 US-11-096-568A-32035 Sequence 32035, A
989 22 52.4 573 7 US-11-098-686-10857 Sequence 10857, A
990 22 52.4 576 7 US-11-087-099-9606 Sequence 9606, Ap
991 22 52.4 579 7 US-11-072-512-2360 Sequence 2360, Ap
992 22 52.4 585 7 US-11-012-762-6 Sequence 6, Appl
993 22 52.4 594 6 US-10-504-879-24 Sequence 24, Appl
994 22 52.4 596 6 US-10-504-879-10 Sequence 10, Appl
995 22 52.4 596 7 US-11-072-512-2541 Sequence 2541, Ap
996 22 52.4 601 7 US-11-098-686-10933 Sequence 10933, A
997 22 52.4 604 7 US-11-131-283-40 Sequence 40, Appl
998 22 52.4 607 6 US-10-131-826A-344 Sequence 344, App
999 22 52.4 607 6 US-10-131-826A-344 Sequence 344, App
1000 22 52.4 607 6 US-10-973-115B-344 Sequence 344, App

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## ALIGNMENTS

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RESULT 1
US-11-060-029-21 Application US/11060029
; Sequence 21, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21
; LENGTH: 318
; TYPE: PR
; ORGANISM: Oryza sativa
US-11-060-029-21

Query Match      88.1%; Score 37; DB 7; Length 318;
Best Local Similarity 88.9%; Pred. No. 1.9;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      161 NVLMAMDI 169

RESULT 2
US-11-060-029-15
; Sequence 15, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15

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; LENGTH: 344
; TYPE: PR
; ORGANISM: Oryza sativa
; FEATURES:
; NAME/KEY: misc feature
; LOCATION: (193)..(193)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-060-029-15

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Query Match      88.1%; Score 37; DB 7; Length 344;
Best Local Similarity 88.9%; Pred. No. 2.1;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY      1 NVLMANNII 9
Db      159 NVLMAMDI 167

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RESULT 3
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; Sequence 19, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19
; LENGTH: 346
; TYPE: PR
; ORGANISM: Oryza sativa
US-11-060-029-19

Query Match      88.1%; Score 37; DB 7; Length 346;
Best Local Similarity 88.9%; Pred. No. 2.1;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY      1 NVLMANNII 9
Db      161 NVLMAMDI 169

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RESULT 4
US-11-060-029-2 Application US/11060029
; Sequence 2, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; TITLE OF INVENTION: making the same
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 385
; TYPE: PR
; ORGANISM: Arabidopsis thaliana
US-11-060-029-2

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Best Local Similarity 88.9%; Pred. No. 2.4;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY      1 NVLMANNII 9
Db      163 NVLMAMDI 171

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RESULT 5  
US-11-060-029-13  
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; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 13  
; LENGTH: 386  
; TYPE: PRT  
; ORGANISM: Zea mays  
; NAME/KEY: misc\_feature  
; LOCATION: (40)..(40)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (102)..(102)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
US-11-060-029-13

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Best Local Similarity 88.9%; Pred. No. 2.4;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 196 NVLMANNII 204

RESULT 6  
US-11-060-029-4  
; Sequence 4, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 4  
; LENGTH: 413  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
US-11-060-029-4

Query Match 88.1%; Score 37; DB 7; Length 413;  
Best Local Similarity 88.9%; Pred. No. 2.6;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 180 NVLMANNII 168

RESULT 7  
US-11-060-029-17  
; Sequence 17, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 17  
; LENGTH: 379  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
US-11-060-029-17

FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 17  
; LENGTH: 379  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
US-11-060-029-17

Query Match 85.7%; Score 36; DB 7; Length 379;  
Best Local Similarity 88.9%; Pred. No. 3.7;  
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 189 NVLMANNII 197

RESULT 8  
US-11-096-568A-29200  
; Sequence 29200, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 29200  
; LENGTH: 282  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(282)  
; OTHER INFORMATION: Ceres Seq. ID no. 4585254  
US-11-096-568A-29200

Query Match 81.0%; Score 34; DB 7; Length 282;  
Best Local Similarity 66.7%; Pred. No. 6.8;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 70 NVLMANNII 78

RESULT 9  
US-11-060-029-23  
; Sequence 23, Application US/11060029  
; Publication No. US20050268358A1  
; GENERAL INFORMATION:  
; APPLICANT: CropDesign N.V.  
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for  
; FILE REFERENCE: CD-113-prio  
; CURRENT APPLICATION NUMBER: US/11/060,029  
; CURRENT FILING DATE: 2005-02-17  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 23  
; LENGTH: 353  
; TYPE: PRT  
; ORGANISM: Populus tremula x Populus tremuloides  
US-11-060-029-23

Query Match 81.0%; Score 34; DB 7; Length 353;  
Best Local Similarity 77.8%; Pred. No. 8.8;  
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMMNII 9  
|||:|:  
Db 163 NVLMMALDI 171

## RESULT 10

US-11-096-568A-29199  
; Sequence 29199, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: Thereby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 29199  
; LENGTH: 369  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(369)  
; OTHER INFORMATION: Ceres Seq. ID no. 4585253  
US-11-096-568A-29199

Query Match 81.0%; Score 34; DB 7; Length 369;  
Best Local Similarity 66.7%; Pred. No. 9.3;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMMNII 9  
|||:|:  
Db 157 NVLMMALDI 165

## RESULT 11

US-11-096-568A-12954  
; Sequence 12954, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: Thereby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 12954  
; LENGTH: 344  
; TYPE: PRT  
; ORGANISM: Triticum aestivum  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(344)  
; OTHER INFORMATION: Ceres Seq. ID no. 14313553  
US-11-096-568A-12954

Query Match 78.6%; Score 33; DB 7; Length 344;  
Best Local Similarity 66.7%; Pred. No. 14;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMMNII 9  
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Db 142 NVLMMALDI 150

## RESULT 12

US-11-096-568A-12953  
; Sequence 12953, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:

; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: Thereby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 12953  
; LENGTH: 351  
; TYPE: PRT  
; ORGANISM: Triticum aestivum

; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(351)  
; OTHER INFORMATION: Ceres Seq. ID no. 14313552  
US-11-096-568A-12953

Query Match 78.6%; Score 33; DB 7; Length 351;  
Best Local Similarity 66.7%; Pred. No. 14;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMMNII 9  
|||:|:  
Db 149 NVLMMALDI 157

## RESULT 13

US-11-096-568A-2816  
; Sequence 2816, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: Thereby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 2816  
; LENGTH: 384  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(384)  
; OTHER INFORMATION: Ceres Seq. ID no. 12610325  
US-11-096-568A-2816

Query Match 73.8%; Score 31; DB 7; Length 384;  
Best Local Similarity 66.7%; Pred. No. 40;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMMNII 9  
|||:|:  
Db 213 NVLMMALDI 221

## RESULT 14

US-11-096-568A-2817  
; Sequence 2817, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; TITLE OF INVENTION: Thereby  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 2817  
; LENGTH: 384  
; TYPE: PRT  
; ORGANISM: Glycine max

FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)-(384)  
OTHER INFORMATION: Ceres Seq. ID no. 16625362  
US-11-096-568A-2817

Query Match 73.8%; Score 31; DB 7; Length 384;  
Best Local Similarity 66.7%; Pred. No. 40;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMANNII 9  
Db 213 NVLSSMWLI 221

RESULT 15  
US-11-096-568A-2815  
Sequence 2815, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 2815  
LENGTH: 385  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)-(385)  
OTHER INFORMATION: Ceres Seq. ID no. 12610324  
US-11-096-568A-2815

Query Match 73.8%; Score 31; DB 7; Length 385;  
Best Local Similarity 66.7%; Pred. No. 40;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMANNII 9  
Db 214 NVLSSMWLI 222

RESULT 16  
US-10-485-517-347  
Sequence 347, Application US/10485517  
Publication No. US20050256299A1  
GENERAL INFORMATION:  
APPLICANT: University of Sheffield  
APPLICANT: Biosynex Incorporated  
APPLICANT: Foster, Simon  
TITLE OF INVENTION: Antigenic Polypeptides  
FILE REFERENCE: P100629W0  
CURRENT APPLICATION NUMBER: US/10/485,517  
CURRENT FILING DATE: 2004-02-02  
PRIOR APPLICATION NUMBER: GB 0118825.9  
PRIOR FILING DATE: 2001-08-02  
PRIOR APPLICATION NUMBER: GB 0200349.9  
PRIOR FILING DATE: 2002-01-09  
NUMBER OF SEQ ID NOS: 424  
SOFTWARE: Patentin version 3.1  
SEQ ID NO 347  
LENGTH: 275  
TYPE: PRT  
ORGANISM: Staphylococcus aureus  
US-10-485-517-347

Query Match 69.0%; Score 29; DB 6; Length 275;  
Best Local Similarity 85.7%; Pred. No. 70;

Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
Qy 2 NVLMANNI 8  
Db 236 NVLMANNI 242

RESULT 17  
US-11-098-686-11193  
Sequence 11193, Application US/11098686  
Publication No. US20060024696A1  
GENERAL INFORMATION:  
APPLICANT: Kapur, Vivek and Gebhart, Connie J.  
TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES  
FILE REFERENCE: 09531-128001  
CURRENT APPLICATION NUMBER: US/11/098,686  
CURRENT FILING DATE: 2005-04-04  
PRIOR APPLICATION NUMBER: PCT/US03/31318  
PRIOR FILING DATE: 2003-10-01  
PRIOR APPLICATION NUMBER: US 60/416,395  
PRIOR FILING DATE: 2002-10-04  
NUMBER OF SEQ ID NOS: 11433  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 11193  
LENGTH: 364  
TYPE: PRT  
ORGANISM: Lawsonia intracellularis  
US-11-098-686-11193

Query Match 69.0%; Score 29; DB 7; Length 364;  
Best Local Similarity 66.7%; Pred. No. 97;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMANNII 9  
Db 192 NVLQAMHII 200

RESULT 18  
US-11-096-568A-3180  
Sequence 3180, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:  
APPLICANT: Alexandrov, Nikolai et al.  
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
FILE REFERENCE: 2750-1592PUS2  
CURRENT APPLICATION NUMBER: US/11/096,568A  
CURRENT FILING DATE: 2005-04-01  
NUMBER OF SEQ ID NOS: 34471  
SEQ ID NO 3180  
LENGTH: 432  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)-(432)  
OTHER INFORMATION: Ceres Seq. ID no. 14304361  
US-11-096-568A-3180

Query Match 69.0%; Score 29; DB 7; Length 432;  
Best Local Similarity 85.7%; Pred. No. 1.2e+02;  
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMANN 7  
Db 204 NVLMANN 210

RESULT 19  
US-11-096-568A-3181  
Sequence 3181, Application US/11096568A

```
/ Publication No. US20060048240A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexandrov, Nikolai et al.
/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
/ FILE REFERENCE: 2750-1592PUS2
/ CURRENT APPLICATION NUMBER: US/11/096,568A
/ NUMBER OF SEQ ID NOS: 34471
/ SEQ ID NO 3181
/ LENGTH: 432
/ TYPE: PRT
/ ORGANISM: Glycine max
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)..(432)
/ OTHER INFORMATION: Ceres Seq. ID no. 16625443
US-11-096-568A-3181
```

```
Query Match          69.0%; Score 29; DB 7; Length 432;
Best Local Similarity 85.7%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 NVLMANN 7
Db      204 NVLMANN 210
```

```
RESULT 20
US-11-096-568A-3179
/ Sequence 3179, Application US/11096568A
/ Publication No. US20060048240A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexandrov, Nikolai et al.
/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
/ FILE REFERENCE: 2750-1592PUS2
/ CURRENT APPLICATION NUMBER: US/11/096,568A
/ CURRENT FILING DATE: 2005-04-01
/ NUMBER OF SEQ ID NOS: 34471
/ SEQ ID NO 3179
/ LENGTH: 455
/ TYPE: PRT
/ ORGANISM: Glycine max
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)..(455)
/ OTHER INFORMATION: Ceres Seq. ID no. 14304360
US-11-096-568A-3179
```

```
Query Match          69.0%; Score 29; DB 7; Length 455;
Best Local Similarity 85.7%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 NVLMANN 7
Db      227 NVLMANN 233
```

```
RESULT 21
US-11-096-568A-20252
/ Sequence 20252, Application US/11096568A
/ Publication No. US20060048240A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexandrov, Nikolai et al.
/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
/ FILE REFERENCE: 2750-1592PUS2
/ CURRENT APPLICATION NUMBER: US/11/096,568A
/ CURRENT FILING DATE: 2005-04-01
/ NUMBER OF SEQ ID NOS: 34471
/ SEQ ID NO 20252
/ LENGTH: 207
```

```
/ TYPE: PRT
/ ORGANISM: Zea mays subsp. mays
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)..(207)
/ OTHER INFORMATION: Ceres Seq. ID no. 12381059
US-11-096-568A-20252
```

```
Query Match          66.7%; Score 28; DB 7; Length 207;
Best Local Similarity 55.6%; Pred. No. 81;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 NVLMANNII 9
Db      37 NVLSSINLI 45
```

```
RESULT 22
US-11-096-568A-20251
/ Sequence 20251, Application US/11096568A
/ Publication No. US20060048240A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexandrov, Nikolai et al.
/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
/ FILE REFERENCE: 2750-1592PUS2
/ CURRENT APPLICATION NUMBER: US/11/096,568A
/ CURRENT FILING DATE: 2005-04-01
/ NUMBER OF SEQ ID NOS: 34471
/ SEQ ID NO 20251
/ LENGTH: 278
/ TYPE: PRT
/ ORGANISM: Zea mays subsp. mays
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)..(278)
/ OTHER INFORMATION: Ceres Seq. ID no. 12381058
US-11-096-568A-20251
```

```
Query Match          66.7%; Score 28; DB 7; Length 278;
Best Local Similarity 55.6%; Pred. No. 1.1e+02;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 NVLMANNII 9
Db      108 NVLSSINLI 116
```

```
RESULT 23
US-11-096-568A-20250
/ Sequence 20250, Application US/11096568A
/ Publication No. US20060048240A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexandrov, Nikolai et al.
/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
/ FILE REFERENCE: 2750-1592PUS2
/ CURRENT APPLICATION NUMBER: US/11/096,568A
/ CURRENT FILING DATE: 2005-04-01
/ NUMBER OF SEQ ID NOS: 34471
/ SEQ ID NO 20250
/ LENGTH: 287
/ TYPE: PRT
/ ORGANISM: Zea mays subsp. mays
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)..(287)
/ OTHER INFORMATION: Ceres Seq. ID no. 12381057
US-11-096-568A-20250
```

```
Query Match          66.7%; Score 28; DB 7; Length 287;
Best Local Similarity 55.6%; Pred. No. 1.2e+02;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
```

QY 1 NVLMANNII 9  
|||:::|  
Db 117 NVLSSIMLI 125

## RESULT 24

US-11-096-568A-18167  
; Sequence 18167, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 18167  
; LENGTH: 425  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
; NAME/KEY: misc. feature  
; LOCATION: (1)..(425)  
; OTHER INFORMATION: Ceres Seq. ID no. 12363306  
US-11-096-568A-18167

Query Match 66.7%; Score 28; DB 7; Length 425;  
Best Local Similarity 55.6%; Pred. No. 1.9e+02;  
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
|||:::|  
Db 239 NVLSSIMLI 247

## RESULT 25

US-11-096-568A-18167  
; Sequence 18167, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 18167  
; LENGTH: 444  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
; NAME/KEY: misc. feature  
; LOCATION: (1)..(444)  
; OTHER INFORMATION: Ceres Seq. ID no. 12363305  
US-11-096-568A-18167

Query Match 66.7%; Score 28; DB 7; Length 444;  
Best Local Similarity 55.6%; Pred. No. 2e+02;  
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
|||:::|  
Db 258 NVLSSIMLI 266

RESULT 26  
US-11-087-099-7122  
; Sequence 7122, Application US/11087099  
; Publication No. US20060041961A1  
; GENERAL INFORMATION:

; APPLICANT: Abad, Mark S. et al.  
; TITLE OF INVENTION: Genes and Uses for Plant Improvement  
; FILE REFERENCE: 38-21(53450)B EP  
; CURRENT APPLICATION NUMBER: US/11/087,099  
; CURRENT FILING DATE: 2005-03-22  
; NUMBER OF SEQ ID NOS: 12464  
; SEQ ID NO 7122  
; LENGTH: 446  
; TYPE: PRT  
; ORGANISM: Enterococcus faecium  
US-11-087-099-7122

Query Match 66.7%; Score 28; DB 7; Length 446;  
Best Local Similarity 50.0%; Pred. No. 2e+02;  
Matches 4; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 2 VLMANNII 9  
|||:::|  
Db 135 VLMANNIV 142

## RESULT 27

US-11-087-099-2905  
; Sequence 2905, Application US/11087099  
; Publication No. US20060041961A1  
; GENERAL INFORMATION:  
; APPLICANT: Abad, Mark S. et al.  
; TITLE OF INVENTION: Genes and Uses for Plant Improvement  
; FILE REFERENCE: 38-21(53450)B EP  
; CURRENT APPLICATION NUMBER: US/11/087,099  
; CURRENT FILING DATE: 2005-03-22  
; NUMBER OF SEQ ID NOS: 12464  
; SEQ ID NO 2905  
; LENGTH: 454  
; TYPE: PRT  
; ORGANISM: Pseudomonas syringae pv. tomato str. DC3000  
US-11-087-099-2905

Query Match 66.7%; Score 28; DB 7; Length 454;  
Best Local Similarity 62.5%; Pred. No. 2e+02;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 VLMANNII 9  
|||:::|  
Db 131 VFMANNIV 138

## RESULT 28

US-11-087-099-11213  
; Sequence 11213, Application US/11087099  
; Publication No. US20060041961A1  
; GENERAL INFORMATION:  
; APPLICANT: Abad, Mark S. et al.  
; TITLE OF INVENTION: Genes and Uses for Plant Improvement  
; FILE REFERENCE: 38-21(53450)B EP  
; CURRENT APPLICATION NUMBER: US/11/087,099  
; CURRENT FILING DATE: 2005-03-22  
; NUMBER OF SEQ ID NOS: 12464  
; SEQ ID NO 11213  
; LENGTH: 469  
; TYPE: PRT  
; ORGANISM: Burkholderia pseudomallei  
US-11-087-099-11213

Query Match 66.7%; Score 28; DB 7; Length 469;  
Best Local Similarity 62.5%; Pred. No. 2.1e+02;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 VLMANNII 9  
|||:::|  
Db 146 VFMANNIV 153

```
RESULT 29
US-11-087-099-2696
; Sequence 2696, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450)B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 2696
; LENGTH: 491
; TYPE: PRT
; ORGANISM: Zymomonas mobilis
US-11-087-099-2696

Query Match      66.7%; Score 28; DB 7; Length 491;
Best Local Similarity 62.5%; Pred. No. 2.2e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      2 VLMANNII 9
Db      156 VFMANIIV 163

RESULT 30
US-11-096-568A-18166
; Sequence 18166, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A
; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO 18166
; LENGTH: 515
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; NAME/KEY: misc_feature
; LOCATION: (1)-(515)
; OTHER INFORMATION: Ceres Seq. ID no. 12363304
US-11-096-568A-18166

Query Match      66.7%; Score 28; DB 7; Length 515;
Best Local Similarity 55.6%; Pred. No. 2.3e+02;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      329 NVLISNLI 337

RESULT 31
US-11-087-099-2332
; Sequence 2332, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450)B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 2332
; LENGTH: 560
; TYPE: PRT
; ORGANISM: Pseudomonas syringae pv. syringae B728a
US-11-087-099-2332
```

```
Query Match      66.7%; Score 28; DB 7; Length 560;
Best Local Similarity 62.5%; Pred. No. 2.6e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      2 VLMANNII 9
Db      237 VFMANIIV 244

RESULT 32
US-10-895-064-2684
; Sequence 2684, Application US/10895064
; Publication No. US20060018923A1
; GENERAL INFORMATION:
; APPLICANT: PEIRIS, JOSEPH S.M.
; APPLICANT: YUEN, KWOK YUNG
; APPLICANT: POON, LIT MAN
; APPLICANT: GUAN, YI
; APPLICANT: CHAN, KWOK HUNG
; APPLICANT: NICHOLLS, JOHN M.
; APPLICANT: LEUNG, FREDERICK C.
; TITLE OF INVENTION: A NOVEL HUMAN VIRUS CAUSING RESPIRATORY TRACT INFECTION AND USES THEREOF
; FILE REFERENCE: V0690.0031
; CURRENT APPLICATION NUMBER: US/10/895,064
; CURRENT FILING DATE: 2004-07-21
; NUMBER OF SEQ ID NOS: 2918
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2684
; LENGTH: 58
; TYPE: PRT
; ORGANISM: Corononavirine-HKU1
US-10-895-064-2684

Query Match      64.3%; Score 27; DB 6; Length 58;
Best Local Similarity 66.7%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      23 NVLISNII 31

RESULT 33
US-11-129-741-2684
; Sequence 2684, Application US/11129741
; Publication No. US20060034853A1
; GENERAL INFORMATION:
; APPLICANT: YUEN, KWOK YUNG
; APPLICANT: WOO, CHIU YAT PATRICK
; APPLICANT: LAU, KAR PUI SUSANNA
; APPLICANT: CHAN, KWOK HUNG
; APPLICANT: POON, LIT MAN
; APPLICANT: PEIRIS, JOSEPH S.M.
; APPLICANT: GUAN, YI
; TITLE OF INVENTION: A NOVEL HUMAN VIRUS CAUSING RESPIRATORY TRACT INFECTION AND USES THEREOF
; FILE REFERENCE: V0690.0044
; CURRENT APPLICATION NUMBER: US/11/129,741
; CURRENT FILING DATE: 2005-05-16
; PRIOR APPLICATION NUMBER: 10/895,064
; PRIOR FILING DATE: 2004-07-21
; NUMBER OF SEQ ID NOS: 4257
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2684
; LENGTH: 58
; TYPE: PRT
; ORGANISM: Corononavirine-HKU1
US-11-129-741-2684

Query Match      64.3%; Score 27; DB 7; Length 58;
Best Local Similarity 66.7%; Pred. No. 29;
```

Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 NVLMMNNII 9  
| | | | |  
Db 23 NVLISNII 31

RESULT 34  
US-10-793-626-2152  
; Sequence 2152, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMBERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: P3480US  
; CURRENT APPLICATION NUMBER: US/10/793,626  
; CURRENT FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2152  
; LENGTH: 110  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
US-10-793-626-2152

Query Match 64.3%; Score 27; DB 6; Length 110;  
Best Local Similarity 55.6%; Pred. No. 62;  
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMMNNII 9  
| | | | |  
Db 100 NVLAVQII 108

RESULT 35  
US-11-096-568A-28717  
; Sequence 28717, Application US/11096568A  
; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 28717  
; LENGTH: 159  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)-(159)  
; OTHER INFORMATION: Ceres Seq. ID no. 3039826  
US-11-096-568A-28717

Query Match 64.3%; Score 27; DB 7; Length 159;  
Best Local Similarity 37.5%; Pred. No. 95;  
Matches 3; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMMNNII 8  
| | | | |  
Db 15 NVLAVV 22

RESULT 36  
US-11-096-568A-28716  
; Sequence 28716, Application US/11096568A

; Publication No. US20060048240A1  
; GENERAL INFORMATION:  
; APPLICANT: Alexandrov, Nikolai et al.  
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides  
; FILE REFERENCE: 2750-1592PUS2  
; CURRENT APPLICATION NUMBER: US/11/096,568A  
; CURRENT FILING DATE: 2005-04-01  
; NUMBER OF SEQ ID NOS: 34471  
; SEQ ID NO 28716  
; LENGTH: 164  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)-(164)  
; OTHER INFORMATION: Ceres Seq. ID no. 3039825  
US-11-096-568A-28716

Query Match 64.3%; Score 27; DB 7; Length 164;  
Best Local Similarity 37.5%; Pred. No. 99;  
Matches 3; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMMNNII 8  
| | | | |  
Db 20 NVLAVV 27

RESULT 37  
US-11-212-443-80  
; Sequence 80, Application US/11212443  
; Publication No. US20050287165A1  
; GENERAL INFORMATION:  
; APPLICANT: Scalato, Enzo  
; APPLICANT: Masignani, Vega  
; APPLICANT: Rappuoli, Rino  
; APPLICANT: Pizza, Mariagrazia  
; APPLICANT: Grandi, Guido  
; TITLE OF INVENTION: Meningococcal Antigens  
; FILE REFERENCE: CHIR0159  
; CURRENT APPLICATION NUMBER: US/11/212,443  
; CURRENT FILING DATE: 2005-08-24  
; PRIOR APPLICATION NUMBER: US/09/302,626  
; PRIOR FILING DATE: 1999-04-30  
; PRIOR APPLICATION NUMBER: PCT/IB99/00103  
; PRIOR FILING DATE: 1999-01-14  
; NUMBER OF SEQ ID NOS: 195  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 80  
; LENGTH: 172  
; TYPE: PRT  
; ORGANISM: Neisseria meningitidis  
US-11-212-443-80

Query Match 64.3%; Score 27; DB 7; Length 172;  
Best Local Similarity 44.4%; Pred. No. 1e+02;  
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMMNNII 9  
| | | | |  
Db 44 NVFLAVVIL 52

RESULT 38  
US-11-212-443-195  
; Sequence 195, Application US/11212443  
; Publication No. US20050287165A1  
; GENERAL INFORMATION:  
; APPLICANT: Scalato, Enzo  
; APPLICANT: Masignani, Vega  
; APPLICANT: Rappuoli, Rino  
; APPLICANT: Pizza, Mariagrazia  
; APPLICANT: Grandi, Guido

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/ TITLE OF INVENTION: Meningococcal Antigens
/ FILE REFERENCE: CHIR0159
/ CURRENT APPLICATION NUMBER: US/11/212,443
/ CURRENT FILING DATE: 2005-08-24
/ PRIOR APPLICATION NUMBER: US/09/302,626
/ PRIOR FILING DATE: 1999-04-30
/ PRIOR APPLICATION NUMBER: PCT/IB99/00103
/ PRIOR FILING DATE: 1999-01-14
/ NUMBER OF SEQ ID NOS: 195
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 195
/ LENGTH: 180
/ TYPE: PRT
/ ORGANISM: Neisseria meningitidis
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: ORF82a
US-11-212-443-195

Query Match      64.3%; Score 27; DB 7; Length 180;
Best Local Similarity 44.4%; Pred. No. 1.1e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      44 NVFLAVNVL 52

RESULT 39
US-11-212-443-48
/ Sequence 48, Application US/11212443
/ Publication No. US20050287165A1
/ GENERAL INFORMATION:
/ APPLICANT: Scalato, Enzo
/ APPLICANT: Massignani, Vega
/ APPLICANT: Rappuoli, Rino
/ APPLICANT: Pizza, Mariagrazia
/ APPLICANT: Grandi, Guido
/ TITLE OF INVENTION: Meningococcal Antigens
/ FILE REFERENCE: CHIR0159
/ CURRENT APPLICATION NUMBER: US/11/212,443
/ CURRENT FILING DATE: 2005-08-24
/ PRIOR APPLICATION NUMBER: US/09/302,626
/ PRIOR FILING DATE: 1999-04-30
/ PRIOR APPLICATION NUMBER: PCT/IB99/00103
/ PRIOR FILING DATE: 1999-01-14
/ NUMBER OF SEQ ID NOS: 195
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 48
/ LENGTH: 212
/ TYPE: PRT
/ ORGANISM: Neisseria meningitidis
US-11-212-443-48

Query Match      64.3%; Score 27; DB 7; Length 212;
Best Local Similarity 62.5%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      2 VLMANNII 9
Db      143 ILPALNII 150

RESULT 40
US-11-212-443-46
/ Sequence 46, Application US/11212443
/ Publication No. US20050287165A1
/ GENERAL INFORMATION:
/ APPLICANT: Scalato, Enzo
/ APPLICANT: Massignani, Vega
/ APPLICANT: Rappuoli, Rino
/ APPLICANT: Pizza, Mariagrazia
/ APPLICANT: Grandi, Guido
/ TITLE OF INVENTION: Meningococcal Antigens
```

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/ FILE REFERENCE: CHIR0159
/ CURRENT APPLICATION NUMBER: US/11/212,443
/ CURRENT FILING DATE: 2005-08-24
/ PRIOR APPLICATION NUMBER: US/09/302,626
/ PRIOR FILING DATE: 1999-04-30
/ PRIOR APPLICATION NUMBER: PCT/IB99/00103
/ PRIOR FILING DATE: 1999-01-14
/ NUMBER OF SEQ ID NOS: 195
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 46
/ LENGTH: 219
/ TYPE: PRT
/ ORGANISM: Neisseria meningitidis
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (191)
/ OTHER INFORMATION: unknown
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (201)
/ OTHER INFORMATION: unknown
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (203)
/ OTHER INFORMATION: unknown
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (207)
/ OTHER INFORMATION: unknown
US-11-212-443-46

Query Match      64.3%; Score 27; DB 7; Length 219;
Best Local Similarity 62.5%; Pred. No. 1.4e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      2 VLMANNII 9
Db      143 ILPALNII 150

RESULT 41
US-10-467-657-3352
/ Sequence 3352, Application US/10467657
/ Publication No. US20050260581A1
/ GENERAL INFORMATION:
/ APPLICANT: CHIRON SpA
/ APPLICANT: FONTANA Maria Rita
/ APPLICANT: PIZZA Mariagrazia
/ APPLICANT: Massignani Vega
/ APPLICANT: MONACI Elisabetta
/ TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
/ FILE REFERENCE:
/ CURRENT APPLICATION NUMBER: US/10/467,657
/ CURRENT FILING DATE: 2003-08-11
/ PRIOR APPLICATION NUMBER: GB-0103424.8
/ PRIOR FILING DATE: 2001-02-12
/ NUMBER OF SEQ ID NOS: 9218
/ SOFTWARE: SeqWin99, version 1.04
/ SEQ ID NO 3352
/ LENGTH: 232
/ TYPE: PRT
/ ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3352

Query Match      64.3%; Score 27; DB 6; Length 232;
Best Local Similarity 62.5%; Pred. No. 1.5e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      2 VLMANNII 9
Db      163 ILPALNII 170
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```
RESULT 42
US-11-212-443-82
; Sequence 82, Application US/11212443
; Publication No. US20050287165A1
; GENERAL INFORMATION:
; APPLICANT: Scalato, Enzo
; APPLICANT: Malignani, Vega
; APPLICANT: Rappuoli, Rino
; APPLICANT: Pizzi, Mariagrazia
; APPLICANT: Grandi, Guido
; TITLE OF INVENTION: Meningococcal Antigens
; FILE REFERENCE: CHIR0159
; CURRENT APPLICATION NUMBER: US/11/212,443
; CURRENT FILING DATE: 2005-08-24
; PRIOR APPLICATION NUMBER: US/09/302,626
; PRIOR FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: PCT/IB99/00103
; PRIOR FILING DATE: 1999-01-14
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 82
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Neisseria meningitidis
US-11-212-443-82

Query Match      64.3%; Score 27; DB 7; Length 242;
Best Local Similarity 44.4%; Pred. No. 1.5e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMMNII 9
| | : | : | :
Db      44 NVFLAVML 52

RESULT 43
US-11-212-443-84
; Sequence 84, Application US/11212443
; Publication No. US20050287165A1
; GENERAL INFORMATION:
; APPLICANT: Scalato, Enzo
; APPLICANT: Malignani, Vega
; APPLICANT: Rappuoli, Rino
; APPLICANT: Pizzi, Mariagrazia
; APPLICANT: Grandi, Guido
; TITLE OF INVENTION: Meningococcal Antigens
; FILE REFERENCE: CHIR0159
; CURRENT APPLICATION NUMBER: US/11/212,443
; CURRENT FILING DATE: 2005-08-24
; PRIOR APPLICATION NUMBER: US/09/302,626
; PRIOR FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: PCT/IB99/00103
; PRIOR FILING DATE: 1999-01-14
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 84
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Neisseria meningitidis
US-11-212-443-84

Query Match      64.3%; Score 27; DB 7; Length 242;
Best Local Similarity 44.4%; Pred. No. 1.5e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMMNII 9
| | : | : | :
Db      44 NVFLAVML 52

RESULT 44
US-11-108-528-78
; Sequence 78, Application US/11108528
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; Publication No. US20050261189A1
; GENERAL INFORMATION:
; APPLICANT: Larsen, Glenn
; APPLICANT: Marvin, Marcha
; APPLICANT: Li, Dean Y.
; APPLICANT: Wang, Elizabeth
; APPLICANT: Chen, C. M. Amy
; APPLICANT: Shamah, Steven M.
; TITLE OF INVENTION: METHODS OF PROMOTING CARDIAC CELL
; TITLE OF INVENTION: PROLIFERATION
; FILE REFERENCE: HYDR-P01-041
; CURRENT APPLICATION NUMBER: US/11/108,528
; CURRENT FILING DATE: 2005-04-18
; PRIOR APPLICATION NUMBER: US 60/563,137
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 60/598,368
; PRIOR FILING DATE: 2004-08-02
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 78
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-108-528-78

Query Match      64.3%; Score 27; DB 7; Length 355;
Best Local Similarity 71.4%; Pred. No. 2.4e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 VLMAMNI 8
| | : | : | :
Db      187 VLMAMNI 193

RESULT 45
US-11-108-528-76
; Sequence 76, Application US/11108528
; Publication No. US20050261189A1
; GENERAL INFORMATION:
; APPLICANT: Larsen, Glenn
; APPLICANT: Marvin, Marcha
; APPLICANT: Li, Dean Y.
; APPLICANT: Wang, Elizabeth
; APPLICANT: Chen, C. M. Amy
; APPLICANT: Shamah, Steven M.
; TITLE OF INVENTION: METHODS OF PROMOTING CARDIAC CELL
; TITLE OF INVENTION: PROLIFERATION
; FILE REFERENCE: HYDR-P01-041
; CURRENT APPLICATION NUMBER: US/11/108,528
; CURRENT FILING DATE: 2005-04-18
; PRIOR APPLICATION NUMBER: US 60/563,137
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 60/598,368
; PRIOR FILING DATE: 2004-08-02
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-108-528-76

Query Match      64.3%; Score 27; DB 7; Length 365;
Best Local Similarity 71.4%; Pred. No. 2.5e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      2 VLMAMNI 8
| | : | : | :
Db      197 VLMAMNI 203

RESULT 46
US-11-072-512-3454
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/ Sequence 3454, Application US/11072512
/ Publication No. US200602945A1
/ GENERAL INFORMATION:
/ APPLICANT: ISOGAI, TAKAO
/ APPLICANT: SUGIYAMA, TOMOYASU
/ APPLICANT: OTSUKI, TETSUJI
/ APPLICANT: WAKAMATSU, AI
/ APPLICANT: SATO, HIROYUKI
/ APPLICANT: ISHII, SHIZUKO
/ APPLICANT: YAMAMOTO, JUN-ICHI
/ APPLICANT: ISONO, YUTUKO
/ APPLICANT: HIO, YURI
/ APPLICANT: OTSUKA, KAORU
/ APPLICANT: NAGAI, KEIICHI
/ APPLICANT: RIE, RYOTARO
/ APPLICANT: TAMECHIKA, ICHIRO
/ APPLICANT: SEKI, NAOHICO
/ APPLICANT: YOSHIKAWA, TSUTOMU
/ APPLICANT: OTSUKA, MOTOKYUKI
/ APPLICANT: NAGAHARI, KENJI
/ APPLICANT: MASUHO, YASUHIKO
/ TITLE OF INVENTION: Novel full length cDNA
/ FILE REFERENCE: 084335-0191
/ CURRENT APPLICATION NUMBER: US/11/072,512
/ PRIOR FILING DATE: 2005-03-07
/ PRIOR APPLICATION NUMBER: US 60/350,978
/ PRIOR FILING DATE: 2002-01-25
/ PRIOR APPLICATION NUMBER: JP 2001-379298
/ PRIOR FILING DATE: 2001-11-05
/ NUMBER OF SEQ ID NOS: 4096
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 3454
/ LENGTH: 388
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-072-512-3454

Query Match          64.3%; Score 27; DB 7; Length 388;
Best Local Similarity 50.0%; Pred. No. 2.7e+02;
Matches 4; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
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QY 1 NVLMANNI 8

Db 359 NILMSMSL 366

RESULT 47

US-11-096-568A-25265

/ Sequence 25265, Application US/11096568A

/ Publication No. US20060048240A1

/ GENERAL INFORMATION:

/ APPLICANT: Alexandrov, Nikolai et al.

/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides

/ FILE REFERENCE: 2750-1592PUS2

/ CURRENT APPLICATION NUMBER: US/11/096,568A

/ CURRENT FILING DATE: 2005-04-01

/ NUMBER OF SEQ ID NOS: 34471

/ SEQ ID NO 25265

/ LENGTH: 424

/ TYPE: PRT

/ ORGANISM: Zea mays subsp. mays

/ FEATURE:

/ NAME/KEY: misc feature

/ LOCATION: (1)..(424)

/ OTHER INFORMATION: Ceres Seq. ID no. 12566857

US-11-096-568A-25265

Query Match 64.3%; Score 27; DB 7; Length 424;

Best Local Similarity 62.5%; Pred. No. 3e+02;

Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 NVLMANNI 8

Db 17 NVFMASNV 24

RESULT 48

US-11-087-099-2386

/ Sequence 2386, Application US/11087099

/ Publication No. US20060041961A1

/ GENERAL INFORMATION:

/ APPLICANT: Abad, Mark S. et al.

/ TITLE OF INVENTION: Genes and Uses for Plant Improvement

/ FILE REFERENCE: 38-21(53450) B EP

/ CURRENT APPLICATION NUMBER: US/11/087,099

/ CURRENT FILING DATE: 2005-03-22

/ NUMBER OF SEQ ID NOS: 12464

/ SEQ ID NO 2386

/ LENGTH: 836

/ TYPE: PRT

/ ORGANISM: Yarrowia lipolytica

US-11-087-099-2386

Query Match 64.3%; Score 27; DB 7; Length 836;

Best Local Similarity 44.4%; Pred. No. 6.5e+02;

Matches 4; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 NVLMANNI 9

Db 567 NVTMGLNVL 575

RESULT 49

US-11-096-568A-30785

/ Sequence 30785, Application US/11096568A

/ Publication No. US20060048240A1

/ GENERAL INFORMATION:

/ APPLICANT: Alexandrov, Nikolai et al.

/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides

/ FILE REFERENCE: 2750-1592PUS2

/ CURRENT APPLICATION NUMBER: US/11/096,568A

/ CURRENT FILING DATE: 2005-04-01

/ NUMBER OF SEQ ID NOS: 34471

/ SEQ ID NO 30785

/ LENGTH: 1661

/ TYPE: PRT

/ ORGANISM: Arabidopsis thaliana

/ FEATURE:

/ NAME/KEY: misc feature

/ LOCATION: (1)..(1661)

/ OTHER INFORMATION: Ceres Seq. ID no. 4972410

US-11-096-568A-30785

Query Match 64.3%; Score 27; DB 7; Length 1661;

Best Local Similarity 75.0%; Pred. No. 1.4e+03;

Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNI 8

Db 469 DVLTMANI 476

RESULT 50

US-11-096-568A-30784

/ Sequence 30784, Application US/11096568A

/ Publication No. US20060048240A1

/ GENERAL INFORMATION:

/ APPLICANT: Alexandrov, Nikolai et al.

/ TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides

/ FILE REFERENCE: 2750-1592PUS2

/ CURRENT APPLICATION NUMBER: US/11/096,568A

/ CURRENT FILING DATE: 2005-04-01

/ NUMBER OF SEQ ID NOS: 34471

; SEQ ID NO 30784  
 ; LENGTH: 1713  
 ; TYPE: PRT  
 ; ORGANISM: Arabidopsis thaliana  
 ; FEATURES:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (1)..(1713)  
 ; OTHER INFORMATION: Ceres Seq. ID no. 4972409  
 US-11-096-568A-30784

Query Match 64.3%; Score 27; DB 7; Length 1713;  
 Best Local Similarity 75.0%; Pred. No. 1.5e+03;  
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLPAMNI 8  
 Db 521 DVLPMNI 528

Search completed: March 17, 2006, 21:19:12  
 Job time : 24.3636 secs

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GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 21:13:09 ; Search time 60.75 Seconds  
(without alignments)  
61.901 Million cell updates/sec

Title: US-09-900-147-2

Perfect score: 42

Sequence: 1 NVLMANNII 9

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1000 summaries

Database :

1: /cgn2\_6/ptoddata/1/pubppaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptoddata/1/pubppaa/US08\_PUBCOMB.pep:\*  
3: /cgn2\_6/ptoddata/1/pubppaa/US09\_PUBCOMB.pep:\*  
4: /cgn2\_6/ptoddata/1/pubppaa/US10\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptoddata/1/pubppaa/US10B\_PUBCOMB.pep:\*  
6: /cgn2\_6/ptoddata/1/pubppaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	42	100.0	9	3	US-09-900-147-2
2	42	100.0	16	3	US-09-900-147-5
3	42	100.0	19	3	US-09-900-147-1
4	42	100.0	19	3	US-09-900-147-16
5	42	100.0	20	3	US-09-900-147-4
6	42	100.0	28	5	US-10-752-505-3
7	42	100.0	28	5	US-10-752-505-21
8	42	100.0	28	5	US-10-752-505-22
9	42	100.0	28	5	US-10-752-505-24
10	42	100.0	30	3	US-09-900-147-6
11	42	100.0	37	3	US-09-900-147-1
12	42	100.0	74	4	US-10-214-188-10
13	42	100.0	149	5	US-10-450-763-35869
14	42	100.0	355	4	US-10-106-698-846
15	42	100.0	405	4	US-10-053-248-24
16	42	100.0	434	4	US-10-345-837-54
17	42	100.0	434	5	US-10-460-763-58416
18	39	92.9	575	3	US-09-220-091-7
19	38	90.5	119	3	US-09-900-147-15
20	37	88.1	119	5	US-10-856-499-1157
21	37	88.1	120	5	US-10-856-499-1056
22	37	88.1	165	4	US-10-424-599-234773
23	37	88.1	207	4	US-10-425-114-71403
24	37	88.1	222	4	US-10-425-114-36974
25	37	88.1	301	4	US-10-425-115-572014
26	37	88.1	314	4	US-10-424-599-185947
27	37	88.1	318	4	US-10-437-963-166158

28	37	88.1	320	4	US-10-424-599-186648	Sequence 186648, Ap
29	37	88.1	335	5	US-10-739-930-6734	Sequence 6734, Ap
30	37	88.1	445	6	US-11-097-143-9348	Sequence 9348, Ap
31	36	85.7	19	3	US-09-900-147-17	Sequence 17, Appl
32	36	85.7	253	4	US-10-437-963-167076	Sequence 167076, A
33	36	85.7	336	4	US-10-425-114-46555	Sequence 46555, A
34	36	85.7	341	4	US-10-425-115-186696	Sequence 186696, A
35	34	81.0	14	3	US-09-900-147-11	Sequence 11, Appl
36	33	78.6	189	4	US-10-767-701-39014	Sequence 39014, A
37	33	78.6	242	4	US-10-425-114-56430	Sequence 56430, A
38	33	78.6	253	4	US-10-437-963-130784	Sequence 130784, A
39	33	78.6	296	4	US-10-425-115-323918	Sequence 323918, A
40	32	76.2	126	4	US-10-425-115-310246	Sequence 310246, A
41	32	76.2	403	4	US-10-437-963-182403	Sequence 182403, A
42	32	76.2	879	5	US-09-940-227-78	Sequence 78, Appl
43	32	76.2	879	5	US-10-933-058-78	Sequence 78, Appl
44	32	76.2	888	4	US-10-231-035-3	Sequence 3, Appl
45	32	76.2	888	5	US-10-756-149-5265	Sequence 5265, Ap
46	31	73.8	29	5	US-10-424-599-264443	Sequence 264443, Ap
47	31	73.8	59	4	US-10-424-599-264443	Sequence 264443, A
48	31	73.8	67	3	US-09-864-761-43263	Sequence 43263, A
49	31	73.8	312	3	US-09-864-055-511	Sequence 511, App
50	31	73.8	312	3	US-09-804-291-511	Sequence 511, App
51	31	73.8	312	4	US-10-085-198-198	Sequence 198, App
52	31	73.8	312	4	US-10-433-581-7	Sequence 7, Appl
53	31	73.8	312	5	US-10-819-316-511	Sequence 511, App
54	31	73.8	319	4	US-10-085-198-204	Sequence 204, App
55	31	73.8	323	5	US-10-732-923-3274	Sequence 3274, Ap
56	31	73.8	323	4	US-10-310-154-448	Sequence 448, App
57	31	73.8	359	4	US-10-017-161-678	Sequence 678, App
58	31	73.8	359	4	US-10-292-798-594	Sequence 594, App
59	31	73.8	379	5	US-10-732-923-3273	Sequence 3273, App
60	31	73.8	381	4	US-10-425-114-40179	Sequence 40179, A
61	31	73.8	402	5	US-10-732-923-534	Sequence 534, App
62	31	73.8	403	5	US-10-732-923-3272	Sequence 3272, App
63	31	73.8	54	4	US-10-282-1224-52994	Sequence 52994, A
64	30	71.4	54	4	US-10-425-115-229355	Sequence 229355, A
65	30	71.4	75	4	US-10-425-115-322431	Sequence 322431, A
66	30	71.4	85	4	US-10-424-599-166764	Sequence 166764, A
67	30	71.4	166	4	US-10-425-115-321200	Sequence 321200, A
68	30	71.4	261	4	US-10-437-963-116711	Sequence 116711, A
69	30	71.4	261	5	US-10-732-923-3279	Sequence 3279, App
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71	30	71.4	338	4	US-10-282-1224-61311	Sequence 61311, A
72	30	71.4	435	5	US-10-732-923-23826	Sequence 23826, A
73	30	71.4	439	5	US-10-732-923-23834	Sequence 23834, A
74	30	71.4	459	5	US-10-732-923-23835	Sequence 23835, A
75	30	71.4	459	5	US-10-732-923-23852	Sequence 23852, A
76	30	71.4	588	4	US-10-425-115-193376	Sequence 193376, A
77	30	71.4	642	4	US-10-156-761-12411	Sequence 12411, A
78	30	71.4	900	5	US-10-450-763-59007	Sequence 59007, A
79	30	71.4	1439	4	US-10-282-1224-61196	Sequence 61196, A
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81	29	69.0	53	4	US-10-425-115-349093	Sequence 349093, A
82	29	69.0	88	3	US-09-939-980-513	Sequence 513, App
83	29	69.0	100	4	US-10-724-972A-56522	Sequence 56522, App
84	29	69.0	107	4	US-10-724-972A-5092	Sequence 5092, App
85	29	69.0	147	4	US-10-369-493-20324	Sequence 20324, A
86	29	69.0	152	4	US-10-369-493-1257	Sequence 1257, App
87	29	69.0	155	5	US-11-039-930-10902	Sequence 10902, A
88	29	69.0	228	6	US-11-097-143-13596	Sequence 13596, A
89	29	69.0	254	4	US-10-369-493-17909	Sequence 17909, A
90	29	69.0	254	4	US-10-369-493-10861	Sequence 10861, A
91	29	69.0	404	4	US-10-424-599-167797	Sequence 167797, A
92	29	69.0	466	4	US-10-062-9608-2	Sequence 2, Appl
93	29	69.0	552	4	US-10-724-972A-69332	Sequence 6932, App
94	29	69.0	573	4	US-10-724-972A-6597	Sequence 6597, App
95	29	69.0	574	4	US-10-724-972A-5721	Sequence 5721, App
96	29	69.0	597	6	US-11-097-143-15636	Sequence 15636, A
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103	28	66.7	152	4	US-10-369-493-21653	Sequence 21653, A	176	28	66.7	1162	5	US-10-450-763-39517	Sequence 39517, A
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106	28	66.7	178	4	US-10-425-115-334933	Sequence 334933, A	179	28	66.7	1234	4	US-10-032-585-7454	Sequence 7454, Ap
107	28	66.7	191	4	US-10-424-599-44784	Sequence 44784, A	180	28	66.7	1677	6	US-11-097-143-36720	Sequence 36720, A
108	28	66.7	202	4	US-10-425-115-206922	Sequence 206922, A	181	28	66.7	1736	4	US-10-437-963-111212	Sequence 111212, A
109	28	66.7	215	4	US-10-156-761-12100	Sequence 121000, A	182	28	66.7	1987	3	US-10-032-585-7518	Sequence 7518, Ap
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111	28	66.7	236	4	US-10-437-963-137795	Sequence 137795, A	184	27	64.3	43	4	US-10-424-599-236584	Sequence 236584, A
112	28	66.7	250	4	US-10-425-115-188778	Sequence 188778, A	185	27	64.3	46	4	US-10-424-599-265467	Sequence 265467, A
113	28	66.7	276	4	US-10-424-599-235403	Sequence 235403, A	186	27	64.3	50	4	US-10-425-115-261121	Sequence 261121, A
114	28	66.7	280	4	US-10-424-599-184996	Sequence 184996, A	187	27	64.3	57	4	US-10-724-972A-44595	Sequence 44595, Ap
115	28	66.7	297	4	US-10-389-566-865	Sequence 865, App	188	27	64.3	59	4	US-10-437-963-175269	Sequence 175269, A
116	28	66.7	297	5	US-10-732-923-3283	Sequence 3283, Ap	189	27	64.3	71	4	US-10-437-963-1281814	Sequence 1281814, A
117	28	66.7	305	4	US-10-092-900A-202	Sequence 202, App	190	27	64.3	78	4	US-10-767-701-55962	Sequence 55962, A
118	28	66.7	309	5	US-10-774-355A-1388	Sequence 1388, Ap	191	27	64.3	84	4	US-10-767-701-53445	Sequence 53445, A
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121	28	66.7	317	4	US-10-389-566-692	Sequence 692, App	194	27	64.3	88	4	US-10-425-115-320392	Sequence 320392, A
122	28	66.7	317	5	US-10-732-923-3282	Sequence 3282, App	195	27	64.3	94	4	US-10-424-599-240568	Sequence 240568, A
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126	28	66.7	324	4	US-10-072-012-558	Sequence 558, App	199	27	64.3	99	4	US-10-424-599-145265	Sequence 145265, A
127	28	66.7	334	5	US-10-774-355A-1765	Sequence 1765, App	200	27	64.3	103	4	US-10-425-115-320393	Sequence 320393, A
128	28	66.7	360	4	US-10-425-114-72818	Sequence 72818, A	201	27	64.3	116	4	US-10-425-115-360343	Sequence 360343, A
129	28	66.7	366	4	US-10-437-963-113667	Sequence 113667, A	202	27	64.3	124	4	US-10-425-115-218624	Sequence 218624, A
130	28	66.7	394	4	US-10-389-566-690	Sequence 690, App	203	27	64.3	124	4	US-10-425-115-362439	Sequence 362439, A
131	28	66.7	394	5	US-10-732-923-3281	Sequence 3281, App	204	27	64.3	131	4	US-10-425-115-289377	Sequence 289377, A
132	28	66.7	397	4	US-10-389-566-691	Sequence 691, App	205	27	64.3	137	4	US-10-408-765A-2024	Sequence 2024, Ap
133	28	66.7	397	4	US-10-437-963-137800	Sequence 137800, A	206	27	64.3	138	4	US-10-106-698-6456	Sequence 6456, Ap
134	28	66.7	397	5	US-10-732-923-3280	Sequence 3280, Ap	207	27	64.3	139	4	US-10-425-115-358756	Sequence 358756, A
135	28	66.7	401	4	US-10-425-115-294711	Sequence 294711, A	208	27	64.3	156	4	US-10-424-599-210471	Sequence 210471, A
136	28	66.7	410	6	US-11-097-143-42075	Sequence 42075, A	209	27	64.3	165	4	US-10-437-963-174138	Sequence 174138, A
137	28	66.7	416	5	US-10-732-923-23860	Sequence 23860, A	210	27	64.3	167	4	US-10-424-599-186399	Sequence 186399, A
138	28	66.7	417	5	US-10-732-923-3286	Sequence 3286, Ap	211	27	64.3	171	4	US-10-425-114-68562	Sequence 68562, A
139	28	66.7	418	4	US-10-437-963-199697	Sequence 199697, A	212	27	64.3	172	4	US-10-695-499-80	Sequence 80, Appl
140	28	66.7	421	4	US-10-138-927-8	Sequence 8, Appl1	213	27	64.3	172	4	US-10-425-115-284594	Sequence 284594, A
141	28	66.7	421	4	US-10-430-011-8	Sequence 8, Appl1	214	27	64.3	177	4	US-10-437-963-194728	Sequence 194728, A
142	28	66.7	424	4	US-10-282-122A-48132	Sequence 48132, A	215	27	64.3	180	4	US-10-695-499-195	Sequence 195, App
143	28	66.7	424	4	US-10-425-115-345040	Sequence 345040, A	216	27	64.3	183	4	US-10-767-701-525954	Sequence 525954, A
144	28	66.7	425	4	US-10-739-930-8006	Sequence 8006, Ap	217	27	64.3	185	5	US-10-450-763-35867	Sequence 35867, A
145	28	66.7	435	4	US-10-128-714-3416	Sequence 3416, Ap	218	27	64.3	186	3	US-09-430-221-1	Sequence 1, Appl1
146	28	66.7	435	4	US-10-128-714-8416	Sequence 8416, Ap	219	27	64.3	186	4	US-10-324-023-1	Sequence 1, Appl1
147	28	66.7	435	4	US-10-369-493-6907	Sequence 6907, Ap	220	27	64.3	188	4	US-10-425-114-69692	Sequence 69692, A
148	28	66.7	444	4	US-10-389-566-435	Sequence 435, App	221	27	64.3	198	4	US-10-425-115-251389	Sequence 251389, A
149	28	66.7	444	5	US-10-732-923-3285	Sequence 3285, Ap	222	27	64.3	204	4	US-10-425-114-43908	Sequence 43908, A
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151	28	66.7	452	5	US-10-732-923-11174	Sequence 11174, A	224	27	64.3	210	5	US-10-482-029-68	Sequence 68, Appl
152	28	66.7	452	5	US-10-732-923-23895	Sequence 23895, A	225	27	64.3	211	4	US-10-425-115-328208	Sequence 328208, A
153	28	66.7	459	4	US-10-282-122A-50382	Sequence 50382, A	226	27	64.3	212	4	US-10-695-499-48	Sequence 48, Appl
154	28	66.7	475	5	US-10-732-923-23869	Sequence 23869, A	227	27	64.3	214	4	US-10-282-122A-45613	Sequence 45613, A
155	28	66.7	487	5	US-10-732-923-23868	Sequence 23868, A	228	27	64.3	219	4	US-10-695-499-82	Sequence 82, Appl
156	28	66.7	506	4	US-10-424-599-146213	Sequence 146213, A	229	27	64.3	224	4	US-10-425-114-41304	Sequence 41304, A
157	28	66.7	516	4	US-10-425-115-219462	Sequence 219462, A	230	27	64.3	226	4	US-10-425-115-284594	Sequence 284594, A
158	28	66.7	516	4	US-10-320-797-3244	Sequence 3244, Ap	231	27	64.3	228	3	US-09-833-245-492	Sequence 492, App
159	28	66.7	519	4	US-10-425-115-334936	Sequence 334936, A	232	27	64.3	232	3	US-09-825-302-464	Sequence 464, App
160	28	66.7	526	4	US-10-343-879-2	Sequence 2, Appl1	233	27	64.3	232	3	US-09-925-302-464	Sequence 464, App
161	28	66.7	536	4	US-10-425-114-69537	Sequence 69537, A	234	27	64.3	235	4	US-10-424-599-200388	Sequence 200388, A
162	28	66.7	575	4	US-10-425-114-70514	Sequence 70514, A	235	27	64.3	240	4	US-10-264-049-2604	Sequence 2604, Ap
163	28	66.7	616	4	US-10-138-927-44	Sequence 44, Appl	236	27	64.3	242	4	US-10-695-499-82	Sequence 82, Appl
164	28	66.7	616	4	US-10-430-011-44	Sequence 44, Appl	237	27	64.3	242	4	US-10-695-499-84	Sequence 84, Appl
165	28	66.7	620	4	US-10-369-493-3086	Sequence 3086, Ap	238	27	64.3	245	4	US-10-424-599-257732	Sequence 257732, A
166	28	66.7	620	5	US-10-916-932-12	Sequence 12, Appl	239	27	64.3	246	4	US-10-425-115-320542	Sequence 320542, A
167	28	66.7	632	4	US-10-282-122A-51332	Sequence 51332, A	240	27	64.3	268	3	US-09-557-796-21	Sequence 21, Appl
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169	28	66.7	679	4	US-10-289-762-1132	Sequence 1132, Ap	242	27	64.3	311	4	US-10-369-493-9360	Sequence 9360, Ap
170	28	66.7	701	4	US-10-259-194A-260	Sequence 260, App	243	27	64.3	311	4	US-10-437-963-195741	Sequence 195741, A
171	28	66.7	791	4	US-10-282-122A-51171	Sequence 51171, A	244	27	64.3	312	4	US-10-369-493-9185	Sequence 9185, Ap
172	28	66.7	877	4	US-10-282-122A-68647	Sequence 68647, A	245	27	64.3	312	4	US-10-369-493-15323	Sequence 15323, A
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248	27	64.3	312	4	US-10-369-493-17750	Sequence 17750, A	321	27	64.3	718	4	US-10-282-122A-58579	Sequence 58579, A
249	27	64.3	313	5	US-10-416-556A-31	Sequence 31, Appl	322	27	64.3	725	3	US-09-764-868-755	Sequence 755, A
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251	27	64.3	326	4	US-10-425-115-235224	Sequence 235224, A	324	27	64.3	729	27	US-10-332-288-3	Sequence 3, Appl
252	27	64.3	327	4	US-10-425-114-57449	Sequence 57449, A	325	27	64.3	732	5	US-10-450-763-35803	Sequence 35803, A
253	27	64.3	328	4	US-10-425-115-356581	Sequence 256581, A	326	27	64.3	836	5	US-10-437-963-166595	Sequence 166595, A
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256	27	64.3	354	5	US-10-732-923-3275	Sequence 3275, Ap	329	27	64.3	857	5	US-10-732-923-6900	Sequence 6900, Ap
257	27	64.3	361	5	US-10-678-639-30	Sequence 30, Appl	330	27	64.3	875	3	US-09-815-242-10224	Sequence 10224, A
258	27	64.3	363	5	US-10-500-240-43	Sequence 43, Appl	331	27	64.3	875	4	US-10-282-122A-56617	Sequence 56617, A
259	27	64.3	363	5	US-10-680-963A-32	Sequence 32, Appl	332	27	64.3	877	4	US-10-282-122A-59700	Sequence 59700, A
260	27	64.3	364	5	US-10-847-972-76	Sequence 76, Appl	333	27	64.3	878	3	US-09-815-242-13957	Sequence 13957, A
261	27	64.3	365	4	US-10-285-976-37	Sequence 37, Appl	334	27	64.3	878	4	US-10-282-122A-55807	Sequence 55807, A
262	27	64.3	365	5	US-10-847-972-38	Sequence 38, Appl	335	27	64.3	878	4	US-10-282-122A-75426	Sequence 75426, A
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265	27	64.3	368	4	US-10-437-963-178361	Sequence 178361, A	338	27	64.3	928	4	US-10-369-566-2075	Sequence 2075, Ap
266	27	64.3	369	4	US-10-437-963-136371	Sequence 136371, A	339	27	64.3	948	4	US-10-267-311-21	Sequence 21, Appl
267	27	64.3	371	4	US-10-424-599-242450	Sequence 242450, A	340	27	64.3	948	5	US-10-450-763-36964	Sequence 36964, A
268	27	64.3	376	4	US-10-424-599-188254	Sequence 188254, A	341	27	64.3	948	5	US-10-679-956-21	Sequence 21, Appl
269	27	64.3	378	4	US-10-369-493-5608	Sequence 5608, Ap	342	27	64.3	994	5	US-10-450-763-39277	Sequence 39277, A
270	27	64.3	385	3	US-09-847-208-101	Sequence 101, App	343	27	64.3	994	5	US-10-450-763-47981	Sequence 47981, A
271	27	64.3	386	2	US-08-545-573A-2	Sequence 2, Appl1	344	27	64.3	1018	4	US-10-128-714-8585	Sequence 3585, Ap
272	27	64.3	386	4	US-08-545-573A-39	Sequence 39, Appl	345	27	64.3	1018	4	US-10-128-714-8585	Sequence 8585, Ap
273	27	64.3	388	4	US-10-258-147-4	Sequence 4, Appl1	346	27	64.3	1062	3	US-09-801-368-234	Sequence 234, App
274	27	64.3	392	6	US-11-037-143-35067	Sequence 3454, Ap	347	27	64.3	1062	4	US-10-369-493-31363	Sequence 1163, Ap
275	27	64.3	392	6	US-11-037-143-35067	Sequence 35067, A	348	27	64.3	1062	4	US-10-199-310-180	Sequence 180, App
276	27	64.3	409	4	US-10-267-311-55	Sequence 55, Appl	349	27	64.3	1128	5	US-10-450-763-37695	Sequence 37695, A
277	27	64.3	409	5	US-10-679-956-55	Sequence 55, Appl	350	27	64.3	1150	5	US-10-450-763-37885	Sequence 37885, A
278	27	64.3	412	6	US-11-097-143-42078	Sequence 42078, A	351	27	64.3	1175	4	US-10-310-154-704	Sequence 704, App
279	27	64.3	419	5	US-10-450-763-35971	Sequence 35971, A	352	27	64.3	1175	5	US-10-732-923-22630	Sequence 22630, A
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281	27	64.3	433	4	US-10-369-493-1834	Sequence 1834, Ap	354	27	64.3	1175	5	US-10-450-763-41366	Sequence 41366, A
282	27	64.3	433	5	US-10-450-763-37702	Sequence 37702, A	355	27	64.3	1185	5	US-10-732-923-622	Sequence 622, App
283	27	64.3	458	3	US-09-771-161A-137	Sequence 137, App	356	27	64.3	1185	5	US-10-732-923-22631	Sequence 22631, A
284	27	64.3	458	5	US-10-732-923-24001	Sequence 24001, A	357	27	64.3	1185	5	US-10-732-923-22630	Sequence 22630, A
285	27	64.3	459	4	US-10-424-599-275168	Sequence 275168, A	358	27	64.3	1185	5	US-10-732-923-22630	Sequence 22630, A
286	27	64.3	481	4	US-10-425-115-277891	Sequence 277891, A	359	27	64.3	1388	5	US-10-450-763-45318	Sequence 45318, A
287	27	64.3	496	3	US-09-771-161A-228	Sequence 228, App	360	27	64.3	1445	4	US-10-149-310-110	Sequence 110, App
288	27	64.3	499	4	US-10-156-761-12424	Sequence 12424, A	361	27	64.3	1664	4	US-10-210-130-102	Sequence 102, App
289	27	64.3	500	4	US-10-424-599-275172	Sequence 275172, A	362	27	64.3	1719	4	US-10-288-798-2	Sequence 2, Appl1
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293	27	64.3	511	4	US-10-425-114-62838	Sequence 62838, A	366	27	64.3	1732	5	US-10-514-201-2	Sequence 2, Appl1
294	27	64.3	514	5	US-10-450-763-34823	Sequence 34823, A	367	27	64.3	1732	5	US-10-514-201-3	Sequence 3, Appl1
295	27	64.3	528	4	US-10-108-605-49	Sequence 49, Appl	368	27	64.3	1732	5	US-10-210-130-100	Sequence 100, App
296	27	64.3	528	4	US-10-282-122A-49201	Sequence 49201, A	369	27	64.3	1770	4	US-10-433-794-19	Sequence 19, Appl
297	27	64.3	545	6	US-11-097-143-14514	Sequence 14514, A	370	27	64.3	2165	6	US-11-097-143-20142	Sequence 20142, A
298	27	64.3	554	4	US-10-099-285-104	Sequence 104, App	371	27	64.3	2725	4	US-10-285-027-928	Sequence 928, App
299	27	64.3	564	5	US-10-450-763-36624	Sequence 36624, A	372	27	64.3	2725	4	US-10-029-020-52	Sequence 52, Appl
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304	27	64.3	582	5	US-10-732-923-9342	Sequence 9342, Ap	377	27	61.9	16	5	US-10-958-216-1064	Sequence 1064, Ap
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399	26	61.9	101	5	US-10-732-923-3288	Sequence 9057, Ap	472	26	61.9	317	4	US-10-369-493-4248	Sequence 4247, Ap
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409	26	61.9	144	3	US-09-741-669-289	Sequence 289, App	482	26	61.9	333	5	US-10-958-216-511	Sequence 511, App
410	26	61.9	144	3	US-09-912-020-313	Sequence 313, App	483	26	61.9	334	5	US-10-873-667-124	Sequence 124, App
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419	26	61.9	147	5	US-10-617-320-920	Sequence 4920, Ap	492	26	61.9	333	3	US-09-925-302-659	Sequence 659, App
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431	26	61.9	203	4	US-10-282-1224-56440	Sequence 56440, A	504	26	61.9	375	4	US-10-282-1224-48637	Sequence 48637, A
432	26	61.9	204	4	US-10-425-114-53501	Sequence 53501, A	505	26	61.9	376	4	US-10-282-1224-50282	Sequence 50282, A
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438	26	61.9	218	4	US-10-425-115-57350	Sequence 337350,	511	26	61.9	391	4	US-10-664-421-98	Sequence 98, Appl
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444	26	61.9	240	6	US-11-097-143-40920	Sequence 40920, A	517	26	61.9	407	5	US-10-954-778-75	Sequence 75, Appl
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540	26	61.9	458	4	US-10-282-122A-54532	Sequence 54532, A	613	26	61.9	906	5	US-10-473-127-421	Sequence 421, App
541	26	61.9	459	5	US-10-732-923-23739	Sequence 23739, A	614	26	61.9	906	5	US-10-485-225-24	Sequence 24, Appl
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547	26	61.9	481	4	US-10-369-493-9511	Sequence 9511, App	620	26	61.9	964	4	US-10-369-493-2022	Sequence 2022, App
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552	26	61.9	486	4	US-10-282-122A-55199	Sequence 55199, A	625	26	61.9	966	4	US-10-109-791A-172	Sequence 172, App
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554	26	61.9	487	4	US-10-225-567A-144	Sequence 144, App	627	26	61.9	1070	5	US-10-732-923-8605	Sequence 8605, App
555	26	61.9	487	4	US-10-282-122A-71416	Sequence 71416, A	628	26	61.9	1105	4	US-10-437-963-104714	Sequence 104714, A
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557	26	61.9	487	4	US-10-712-425-582	Sequence 582, App	630	26	61.9	1139	4	US-10-282-122A-63668	Sequence 63668, A
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559	26	61.9	489	4	US-10-032-585-7836	Sequence 7836, App	632	26	61.9	1134	4	US-10-365-742-98	Sequence 98, Appl
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567	26	61.9	516	5	US-10-732-923-33467	Sequence 2, Appl1	640	26	61.9	1832	4	US-10-369-493-4092	Sequence 4092, App
568	26	61.9	524	4	US-10-289-762-369	Sequence 23467, A	641	26	61.9	1833	5	US-10-732-923-1759	Sequence 1759, App
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577	26	61.9	552	4	US-10-458-201-3	Sequence 13620, A	650	25	59.5	19	4	US-10-481-180-191	Sequence 191, App
578	26	61.9	558	6	US-11-097-143-18084	Sequence 3, Appl1	651	25	59.5	22	5	US-10-770-712-70	Sequence 70, Appl
579	26	61.9	560	6	US-11-097-143-16374	Sequence 18084, A	652	25	59.5	25	3	US-09-864-761-48875	Sequence 48875, A
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583	26	61.9	604	4	US-10-282-122A-54835	Sequence 54935, A	656	25	59.5	35	4	US-09-948-783-230	Sequence 230, App
584	26	61.9	604	4	US-10-289-762-1037	Sequence 1037, App	657	25	59.5	39	4	US-10-481-180-206	Sequence 206, App
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597	26	61.9	811	4	US-10-437-963-132314	Sequence 132314, A	670	25	59.5	54	4	US-10-425-115-275989	Sequence 275989, A
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705	25	59.5	83	4	US-10-425-115-278546	Sequence 278546, A	778	25	59.5	171	3	US-09-948-783-226	Sequence 226, App
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833	25	59.5	225	4	US-10-109-048-523	Sequence 523, App	906	25	59.5	226	4	US-10-025-806-1161	Sequence 1161,
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847	25	59.5	234	3	US-09-815-242-13737	Sequence 13737, A	920	25	59.5	312	3	US-09-510-332-109	Sequence 332109
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849	25	59.5	234	4	US-10-282-122A-56681	Sequence 56681, A	922	25	59.5	312	5	US-10-962-365-109	Sequence 109, App
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980 25 59.5 357 5 US-10-732-923-7847 Sequence 7847, Ap
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995 25 59.5 388 4 US-10-386-414-17 Sequence 17, Appl
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1000 25 59.5 388 5 US-10-676-289-2 Sequence 2, Appl1
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## ALIGNMENTS

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RESULT 1
US-09-900-147-2
; Sequence 2, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Laseantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-2

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Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-09-900-147-5
; Sequence 5, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Laseantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; CURRENT FILING DATE: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
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; CURRENT FILING DATE: 2001-07-09 APPLICATION NUMBER: 09/308,935
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-5

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Best Local Similarity 100.0%; Pred. No. 0.096;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3
US-09-900-147-3
; Sequence 3, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Laseantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-3

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RESULT 4
US-09-900-147-16
; Sequence 16, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Laseantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
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NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 16  
LENGTH: 19  
TYPE: PRT  
ORGANISM: Artificial Sequence  
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OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-16

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Best Local Similarity 100.0%; Pred. No. 0.12;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NVLMANNII 9  
Db 9 NVLMANNII 17

RESULT 5  
US-09-900-147-4  
Sequence 4, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandara, Laseantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900.147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 4  
LENGTH: 20  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURES:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-4

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Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NVLMANNII 9  
Db 1 NVLMANNII 9

RESULT 6  
US-10-752-505-3  
Sequence 3, Application US/10752505  
Publication No. US20050137138A1  
GENERAL INFORMATION:  
APPLICANT: Shubata, Kenji  
APPLICANT: Yamasaki, Motoo  
APPLICANT: Yoshida, Tetsuo  
APPLICANT: Mizukami, Tamio  
TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
FILE REFERENCE: 766.29  
CURRENT APPLICATION NUMBER: US/10/752,505  
CURRENT FILING DATE: 2004-01-08  
PRIOR APPLICATION NUMBER: US/09/269,576  
PRIOR FILING DATE: 1999-03-30  
PRIOR APPLICATION NUMBER: PCT/JP97/03442  
PRIOR FILING DATE: 1997-09-26  
PRIOR APPLICATION NUMBER: JP 259432/1996  
PRIOR FILING DATE: 1996-09-30  
NUMBER OF SEQ ID NOS: 27

SOFTWARE: WordPerfect 8  
SEQ ID NO 3  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
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OTHER INFORMATION: Synthetic  
FEATURES:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine  
FEATURES:  
NAME/KEY: Modified-site  
LOCATION: 28  
OTHER INFORMATION: Xaa at position 28 representing L-serinamide  
US-10-752-505-3

Query Match 100.0%; Score 42; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.18;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NVLMANNII 9  
Db 19 NVLMANNII 27

RESULT 7  
US-10-752-505-21  
Sequence 21, Application US/10752505  
Publication No. US20050137138A1  
GENERAL INFORMATION:  
APPLICANT: Shubata, Kenji  
APPLICANT: Yamasaki, Motoo  
APPLICANT: Yoshida, Tetsuo  
APPLICANT: Mizukami, Tamio  
TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
FILE REFERENCE: 766.29  
CURRENT APPLICATION NUMBER: US/10/752,505  
CURRENT FILING DATE: 2004-01-08  
PRIOR APPLICATION NUMBER: US/09/269,576  
PRIOR FILING DATE: 1999-03-30  
PRIOR APPLICATION NUMBER: PCT/JP97/03442  
PRIOR FILING DATE: 1997-09-26  
PRIOR APPLICATION NUMBER: JP 259432/1996  
PRIOR FILING DATE: 1996-09-30  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: WordPerfect 8  
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LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
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OTHER INFORMATION: Synthetic  
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NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: Xaa at position 1 representing N-lauryl-L-asparagine  
FEATURES:  
NAME/KEY: Modified-site  
LOCATION: 28  
OTHER INFORMATION: Xaa at position 28 representing L-serinamide  
US-10-752-505-21

Query Match 100.0%; Score 42; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.18;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NVLMANNII 9  
Db 19 NVLMANNII 27

RESULT 8

US-10-752-505-22  
; Sequence 22, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
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; SEQ ID NO 22  
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; ORGANISM: Artificial Sequence  
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; OTHER INFORMATION: Synthetic  
US-10-752-505-22

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Best Local Similarity 100.0%; Pred. No. 0.18;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 19 NVLMANNII 27

RESULT 9  
US-10-752-505-24  
; Sequence 24, Application US/10752505  
; Publication No. US20050137138A1  
; GENERAL INFORMATION:  
; APPLICANT: Shubata, Kenji  
; APPLICANT: Yamasaaki, Motoo  
; APPLICANT: Yoshida, Tetsuo  
; APPLICANT: Mizukami, Tamio  
; TITLE OF INVENTION: B2F Activity-Inhibiting Compound  
; FILE REFERENCE: 766.29  
; CURRENT APPLICATION NUMBER: US/10/752,505  
; CURRENT FILING DATE: 2004-01-08  
; PRIOR APPLICATION NUMBER: US/09/269,576  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
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US-10-752-505-24

Query Match 100.0%; Score 42; DB 5; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.18;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 19 NVLMANNII 27

RESULT 10  
US-09-900-147-6  
; Sequence 6, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandaru, Laxanatha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; CURRENT FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-6

Query Match 100.0%; Score 42; DB 3; Length 30;  
Best Local Similarity 100.0%; Pred. No. 0.19;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 5 NVLMANNII 13

RESULT 11  
US-09-900-147-1  
; Sequence 1, Application US/09900147  
; Patent No. US20020103121A1  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandaru, Laxanatha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/900,147  
; CURRENT FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-900-147-1

Query Match 100.0%; Score 42; DB 3; Length 37;  
Best Local Similarity 100.0%; Pred. No. 0.24;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 12 NVLMANNII 20

RESULT 12  
US-10-214-188-10  
; Sequence 10, Application US/10214188

```
; Publication No. US20030022260A1
; GENERAL INFORMATION:
; APPLICANT: LA THANGUE, NICHOLAS B.
; BERNARDS, RENE
; HUYMAN, ELEANORE M.
; TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHAYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/214,188
; FILING DATE: 08-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/894,139
; FILING DATE: 13-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 620-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-214-188-10
Query Match          100.0%; Score 42; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 NVLMMNNII 9
Db 54 NVLMMNNII 62
RESULT 13
US-10-450-763-35869
; Sequence 35869, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 35869
; LENGTH: 149
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-10-450-763-35869
Query Match          100.0%; Score 42; DB 5; Length 149;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 NVLMMNNII 9
Db 33 NVLMMNNII 41
RESULT 14
US-10-106-698-4846
; Sequence 4846, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4846
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURES:
; NAME/KEY: MISC_FEATURE
; LOCATION: (342)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (348)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (351)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (352)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-4846
Query Match          100.0%; Score 42; DB 4; Length 355;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 NVLMMNNII 9
Db 180 NVLMMNNII 188
RESULT 15
US-10-053-248-24
; Sequence 24, Application US/10053248
; Publication No. US2003014188A1
; GENERAL INFORMATION:
; APPLICANT: Lin, Bhaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; FILE REFERENCE: P-IS 4814
; CURRENT APPLICATION NUMBER: US/10/053,248
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405
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TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-053-248-24

Query Match  
Best Local Similarity 100.0%; Score 42; DB 4; Length 405;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 169 NVLMANNII 177

RESULT 16  
US-10-345-837-24  
Sequence 24, Application US/10345837  
Publication No. US20040137440A1  
GENERAL INFORMATION:  
APPLICANT: Lin, Biaoyang  
TITLE OF INVENTION: Androgen Regulated Nucleic Acid  
FILE REFERENCE: P-15 5589  
CURRENT APPLICATION NUMBER: US/10/345,837  
CURRENT FILING DATE: 2003-01-15  
PRIOR APPLICATION NUMBER: US 10/053,248  
PRIOR FILING DATE: 2002-01-15  
NUMBER OF SEQ ID NOS: 34  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 24  
LENGTH: 405  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-345-837-24

Query Match  
Best Local Similarity 100.0%; Score 42; DB 4; Length 405;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 169 NVLMANNII 177

RESULT 17  
US-10-450-763-58416  
Sequence 58416, Application US/10450763  
Publication No. US20050196754A1  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 790CIP3/US  
CURRENT APPLICATION NUMBER: US/10/450,763  
CURRENT FILING DATE: 2003-06-11  
PRIOR APPLICATION NUMBER: PCT/US01/08631  
PRIOR FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 09/540,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Custom  
SEQ ID NO 58416  
LENGTH: 424  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-450-763-58416

Query Match  
Best Local Similarity 100.0%; Score 42; DB 5; Length 424;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 1 NVLMANNII 9

Db 167 NVLMANNII 175

RESULT 18  
US-09-220-091-7  
Sequence 7, Application US/09220091  
Patent No. US20020064523A1  
GENERAL INFORMATION:  
APPLICANT: H. Robert Horvitz  
APPLICANT: Craig Ceol  
APPLICANT: Xiaowei Lu  
TITLE OF INVENTION: A TUMOR SUPPRESSOR PATHWAY IN C. ELEGANS  
FILE REFERENCE: 01997/202003  
CURRENT APPLICATION NUMBER: US/09/220,091  
CURRENT FILING DATE: 1998-12-23  
EARLIER APPLICATION NUMBER: 60/047,996  
EARLIER FILING DATE: 1997-05-28  
EARLIER APPLICATION NUMBER: 09/087,136  
EARLIER FILING DATE: 1998-05-28  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 7  
LENGTH: 575  
TYPE: PRT  
ORGANISM: Caenorhabditis elegans  
US-09-220-091-7

Query Match  
Best Local Similarity 92.9%; Score 39; DB 3; Length 575;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 110 NVLMANNII 118

RESULT 19  
US-09-900-147-15  
Sequence 15, Application US/09900147  
Patent No. US20020103121A1  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
APPLICANT: Bandaru, Laxantha R  
TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
FILE REFERENCE: 620-67  
CURRENT APPLICATION NUMBER: US/09/900,147  
CURRENT FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: 09/308,935  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 15  
LENGTH: 19  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-900-147-15

Query Match  
Best Local Similarity 90.5%; Score 38; DB 3; Length 19;  
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 9 NALMANNII 17

RESULT 20  
US-10-856-499-1157  
Sequence 1157, Application US/10856499



```
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; TITLE OF INVENTION: Modification of Gene Transcription
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1157
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-856-499-1157

Query Match      88.1%; Score 37; DB 5; Length 119;
Best Local Similarity 88.9%; Pred. No. 8.8;
Matches      8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAAMNII 9
Db      82 NVLMAAMDII 90

RESULT 21
US-10-856-499-1056
; Sequence 1056, Application US/10856499
; Publication No. US20040259145A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; TITLE OF INVENTION: Modification of Gene Transcription
; FILE REFERENCE: 11000.1021C2
; CURRENT APPLICATION NUMBER: US/10/856,499
; CURRENT FILING DATE: 2004-05-28
; NUMBER OF SEQ ID NOS: 2370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-856-499-1056

Query Match      88.1%; Score 37; DB 5; Length 120;
Best Local Similarity 88.9%; Pred. No. 8.9;
Matches      8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAAMNII 9
Db      81 NVLMAAMDII 89

RESULT 22
US-10-424-599-234773
; Sequence 234773, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
```

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; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 234773
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Glycine max
; FEATUERS:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_54029C.1.pep
US-10-424-599-234773

Query Match      88.1%; Score 37; DB 4; Length 165;
Best Local Similarity 88.9%; Pred. No. 13;
Matches      8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAAMNII 9
Db      153 NVLMAAMDII 161

RESULT 23
US-10-425-114-71403
; Sequence 71403, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 71403
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Zea mays subsp. mexicana
; FEATUERS:
; OTHER INFORMATION: Clone ID: UC-ZMR0TOSINTB119B07_FLI.pep
US-10-425-114-71403

Query Match      88.1%; Score 37; DB 4; Length 207;
Best Local Similarity 88.9%; Pred. No. 16;
Matches      8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAAMNII 9
Db      17 NVLMAAMDII 25

RESULT 24
US-10-425-114-36974
; Sequence 36974, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, Steven E
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 36974
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Glycine max
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FEATURE:  
OTHER INFORMATION: Clone ID: LIB3170-045-C12\_F11.pep  
US-10-425-114-36974

Query Match 88.1%; Score 37; DB 4; Length 222;  
Best Local Similarity 88.9%; Pred. No. 17;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMAMNII 9  
Db 38 NVLMAMNDII 46

RESULT 25  
US-10-425-115-272014  
Sequence 272014, Application US/10425115  
Publication No. US20040214272A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovacic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53222)B  
CURRENT APPLICATION NUMBER: US/10/425,115  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 369326  
SEQ ID NO 272014  
LENGTH: 301  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: MRT4577\_179669C.1.pep  
US-10-425-115-272014

Query Match 88.1%; Score 37; DB 4; Length 301;  
Best Local Similarity 88.9%; Pred. No. 24;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMAMNII 9  
Db 111 NVLMAMNDII 119

RESULT 26  
US-10-424-599-185947  
Sequence 185947, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovacic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 185947  
LENGTH: 314  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_138923C.1.pep  
US-10-424-599-185947

Query Match 88.1%; Score 37; DB 4; Length 314;  
Best Local Similarity 88.9%; Pred. No. 25;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMAMNII 9

Db 130 NVLMAMNDII 138

RESULT 27  
US-10-437-963-166158  
Sequence 166158, Application US/10437963  
Publication No. US20040123343A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovacic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
APPLICANT: Wu, Wei  
APPLICANT: Boukharov, Andrey A.  
APPLICANT: Barbazuk, Brad  
APPLICANT: Li, Ping  
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53221)B  
CURRENT APPLICATION NUMBER: US/10/437,963  
CURRENT FILING DATE: 2003-05-14  
NUMBER OF SEQ ID NOS: 204966  
SEQ ID NO 166158  
LENGTH: 318  
TYPE: PRT  
ORGANISM: Oryza sativa  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT4530\_64895C.1.pep  
US-10-437-963-166158

Query Match 88.1%; Score 37; DB 4; Length 318;  
Best Local Similarity 88.9%; Pred. No. 26;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMAMNII 9  
Db 161 NVLMAMNDII 169

RESULT 28  
US-10-424-599-186648  
Sequence 186648, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovacic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 186648  
LENGTH: 320  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1)..(320)  
OTHER INFORMATION: unsure at all Xaa locations  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_139556C.1.pep  
US-10-424-599-186648

Query Match 88.1%; Score 37; DB 4; Length 320;  
Best Local Similarity 88.9%; Pred. No. 26;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMAMNII 9

Db 132 NVLMAMDI 140

RESULT 29

US-10-739-930-6734  
 ; Sequence 6734, Application US/10739930  
 ; Publication No. US20040216190A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kovalic, David K.  
 ; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH  
 ; TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT  
 ; FILE REFERENCE: 38-21(53377)B  
 ; CURRENT APPLICATION NUMBER: US/10/739,930  
 ; CURRENT FILING DATE: 2003-12-18  
 ; NUMBER OF SEQ ID NOS: 11088  
 ; SEQ ID NO 6734  
 ; LENGTH: 385  
 ; TYPE: PRT  
 ; ORGANISM: Arabidopsis thaliana  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: ARATH-23APR03-C801\_1.p  
 US-10-739-930-6734

Query Match 88.1%; Score 37; DB 5; Length 385;  
 Best Local Similarity 88.9%; Pred. No. 32;  
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NVLMAMDI 9  
 Db 163 NVLMAMDI 171

RESULT 30

US-11-097-143-9348  
 ; Sequence 9348, Application US/11097143  
 ; Publication No. US20050208558A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Venter, J. Craig  
 ; APPLICANT: et al.  
 ; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
 ; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE  
 ; FILE REFERENCE: C000728  
 ; CURRENT APPLICATION NUMBER: US/11/097,143  
 ; CURRENT FILING DATE: 2005-04-04  
 ; PRIOR APPLICATION NUMBER: 60/157,832  
 ; PRIOR FILING DATE: 1999-10-05  
 ; PRIOR APPLICATION NUMBER: 60/160,191  
 ; PRIOR FILING DATE: 1999-10-19  
 ; PRIOR APPLICATION NUMBER: 60/161,932  
 ; PRIOR FILING DATE: 1999-10-28  
 ; PRIOR APPLICATION NUMBER: 60/164,769  
 ; PRIOR FILING DATE: 1999-11-12  
 ; PRIOR APPLICATION NUMBER: 60/173,383  
 ; PRIOR FILING DATE: 1999-12-28  
 ; PRIOR APPLICATION NUMBER: 60/175,693  
 ; PRIOR FILING DATE: 2000-01-12  
 ; PRIOR APPLICATION NUMBER: 60/184,831  
 ; PRIOR FILING DATE: 2000-02-24  
 ; PRIOR APPLICATION NUMBER: 60/191,637  
 ; PRIOR FILING DATE: 2000-03-23  
 ; NUMBER OF SEQ ID NOS: 43008  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 9348  
 ; LENGTH: 445  
 ; TYPE: PRT  
 ; ORGANISM: DROSOPHILA  
 US-11-097-143-9348

Query Match 88.1%; Score 37; DB 6; Length 445;  
 Best Local Similarity 77.8%; Pred. No. 37;  
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NVLMAMDI 9  
 Db 224 NVLMAMDI 232

RESULT 31

US-09-900-147-17  
 ; Sequence 17, Application US/09900147  
 ; Patent No. US20020103121A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Thangue, Nicholas B  
 ; APPLICANT: Bandaru, Lasantha R  
 ; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
 ; FILE REFERENCE: 620-67  
 ; CURRENT APPLICATION NUMBER: US/09/900,147  
 ; CURRENT FILING DATE: 2001-07-09  
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935  
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27  
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7  
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20  
 ; NUMBER OF SEQ ID NOS: 18  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 17  
 ; LENGTH: 19  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
 US-09-900-147-17

Query Match 85.7%; Score 36; DB 3; Length 19;  
 Best Local Similarity 88.9%; Pred. No. 1.9;  
 Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMAMDI 9  
 Db 9 NVLMAMDI 17

RESULT 32

US-10-437-963-167076  
 ; Sequence 167076, Application US/10437963  
 ; Publication No. US20040123343A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Rosa, Thomas J.  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Wu, Wei  
 ; APPLICANT: Boukharov, Andrey A.  
 ; APPLICANT: Barbazuk, Brad  
 ; APPLICANT: Li, Ping  
 ; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
 ; FILE REFERENCE: 38-21(53221)B  
 ; CURRENT APPLICATION NUMBER: US/10/437,963  
 ; CURRENT FILING DATE: 2003-05-14  
 ; NUMBER OF SEQ ID NOS: 204966  
 ; SEQ ID NO 167076  
 ; LENGTH: 263  
 ; TYPE: PRT  
 ; ORGANISM: Oryza sativa  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_65721C.1.pap  
 US-10-437-963-167076

Query Match 85.7%; Score 36; DB 4; Length 263;  
 Best Local Similarity 88.9%; Pred. No. 33;  
 Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NVLMAMDI 9  
 Db 163 NVLMAMDI 171

```

RESULT 33
US-10-425-114-46555
; Sequence 46555, Application US/10425114
; Publication No. US20040034688A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaka, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 46555
; LENGTH: 336
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700347688_FLI.pep
US-10-425-114-46555

Query Match      85.7%; Score 36; DB 4; Length 336;
Best Local Similarity 88.9%; Pred. No. 44;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      147 NVLMAMEII 155

RESULT 34
US-10-425-115-186696
; Sequence 186696, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(5322)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 186696
; LENGTH: 341
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_101857C.1.pep
US-10-425-115-186696

Query Match      85.7%; Score 36; DB 4; Length 341;
Best Local Similarity 88.9%; Pred. No. 44;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      152 NVLMAMEII 160

RESULT 35
US-09-900-147-11
; Sequence 11, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:

```

```

; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Lasantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 11
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-11

Query Match      81.0%; Score 34; DB 3; Length 14;
Best Local Similarity 100.0%; Pred. No. 3; 4;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMANN 7
Db      8 NVLMANN 14

RESULT 36
US-10-767-701-39014
; Sequence 39014, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(5353)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 39014
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(189)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C85222_1.pep
US-10-767-701-39014

Query Match      78.6%; Score 33; DB 4; Length 189;
Best Local Similarity 55.6%; Pred. No. 93;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      143 NVLMANVL 151

RESULT 37
US-10-425-114-56430
; Sequence 56430, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E

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```

; APPLICANT: Tabaka, Jack B
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 56430
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB189-026-F11_F11.pep
US-10-425-114-56430

Query Match      78.6%; Score 33; DB 4; Length 242;
Best Local Similarity 55.6%; Pred. No. 1.2e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      44 NVLALNVL 52

RESULT 38
US-10-437-963-130784
; Sequence 130784, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 130784
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_32913C.1.pep
US-10-437-963-130784

Query Match      78.6%; Score 33; DB 4; Length 263;
Best Local Similarity 77.8%; Pred. No. 1.3e+02;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      151 NVOMALNII 159

RESULT 39
US-10-425-115-323918
; Sequence 323918, Application US/10425115
; Publication No. US20040124272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Zhou, Yihua
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
```

```

; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 323918
; LENGTH: 296
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)-(296)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_58482C.1.pep
US-10-425-115-323918

Query Match      78.6%; Score 33; DB 4; Length 296;
Best Local Similarity 55.6%; Pred. No. 1.5e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      97 NVLALNVL 105

RESULT 40
US-10-425-115-310246
; Sequence 310246, Application US/10425115
; Publication No. US20040124272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 310246
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_46001C.1.pep
US-10-425-115-310246

Query Match      76.2%; Score 32; DB 4; Length 143;
Best Local Similarity 66.7%; Pred. No. 1.1e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 NVLMANNII 9
Db      133 NVLALNVL 141

RESULT 41
US-10-437-963-182403
; Sequence 182403, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
```

```
/ CURRENT FILING DATE: 2003-05-14
/ NUMBER OF SEQ ID NOS: 204966
/ SEQ ID NO 182403
/ LENGTH: 403
/ TYPE: PRT
/ ORGANISM: Oryza sativa
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT4530_79596C.1.pep
US-10-437-963-182403
```

```
Query Match          76.2%; Score 32; DB 4; Length 403;
Best Local Similarity 55.6%; Pred. No. 3.4e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 NVTMANNTI 9
        |||:|:|:|
Db      147 NITLAVNIT 155
```

```
RESULT 42
US-09-940-227-78
/ Sequence 78, Application US/09940227
/ Publication No. US20030017468A1
/ GENERAL INFORMATION:
/ APPLICANT: Chen, Sei Yu
/ APPLICANT: Macina, Roberto
/ APPLICANT: Sun, Yongming
/ APPLICANT: Recipon, Herve
/ TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific
/ TITLE OF INVENTION: Genes
/ FILE REFERENCE: DEX-0230
/ CURRENT APPLICATION NUMBER: US/09/940,227
/ CURRENT FILING DATE: 2001-08-27
/ PRIOR APPLICATION NUMBER: 60/228,378
/ PRIOR FILING DATE: 2000-08-28
/ NUMBER OF SEQ ID NOS: 84
/ SOFTWARE: Patentin Ver. 2.1
/ SEQ ID NO 78
/ LENGTH: 879
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-940-227-78
```

```
Query Match          76.2%; Score 32; DB 3; Length 879;
Best Local Similarity 66.7%; Pred. No. 8e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 NVTMANNTI 9
        |||:|:|
Db      151 NVTMAINVI 159
```

```
RESULT 43
US-10-933-058-78
/ Sequence 78, Application US/10933058
/ Publication No. US2005026211A1
/ GENERAL INFORMATION:
/ APPLICANT: Chen, Sei Yu
/ APPLICANT: Macina, Roberto
/ APPLICANT: Sun, Yongming
/ APPLICANT: Recipon, Herve
/ TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific
/ TITLE OF INVENTION: Genes
/ FILE REFERENCE: DEX-0230
/ CURRENT APPLICATION NUMBER: US/10/933,058
/ CURRENT FILING DATE: 2004-09-02
/ PRIOR APPLICATION NUMBER: US/09/940,227
/ PRIOR FILING DATE: 2001-08-27
/ PRIOR APPLICATION NUMBER: 60/228,378
/ PRIOR FILING DATE: 2000-08-28
/ NUMBER OF SEQ ID NOS: 84
/ SOFTWARE: Patentin Ver. 2.1
/ SEQ ID NO 78
```

```
/ LENGTH: 879
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-933-058-78
```

```
Query Match          76.2%; Score 32; DB 5; Length 879;
Best Local Similarity 66.7%; Pred. No. 8e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 NVTMANNTI 9
        |||:|:|
Db      151 NVTMAINVI 159
```

```
RESULT 44
US-10-231-035-3
/ Sequence 3, Application US/10231035
/ Publication No. US20030084485A1
/ GENERAL INFORMATION:
/ APPLICANT: ZHU, JIAN-KANG
/ APPLICANT: XIONG, LIMING
/ TITLE OF INVENTION: METHOD FOR INCREASING STRESS TOLERANCE IN PLANTS
/ FILE REFERENCE: 227010US20
/ CURRENT APPLICATION NUMBER: US/10/231,035
/ CURRENT FILING DATE: 2002-12-18
/ NUMBER OF SEQ ID NOS: 6
/ SOFTWARE: Patentin version 3.1
/ SEQ ID NO 3
/ LENGTH: 888
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-231-035-3
```

```
Query Match          76.2%; Score 32; DB 4; Length 888;
Best Local Similarity 66.7%; Pred. No. 8.1e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 NVTMANNTI 9
        |||:|:|
Db      160 NVTMAINVI 168
```

```
RESULT 45
US-10-756-149-5265
/ Sequence 5265, Application US/10756149
/ Publication No. US20050181375A1
/ GENERAL INFORMATION:
/ APPLICANT: Aziz, Natasha
/ APPLICANT: Zlotnik, Albert
/ TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
/ TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
/ FILE REFERENCE: file
/ CURRENT APPLICATION NUMBER: US/10/756,149
/ CURRENT FILING DATE: 2004-01-12
/ NUMBER OF SEQ ID NOS: 5818
/ SOFTWARE: Patentin version 3.2
/ SEQ ID NO 5265
/ LENGTH: 888
/ TYPE: PRT
/ ORGANISM: Homo Sapiens
US-10-756-149-5265
```

```
Query Match          76.2%; Score 32; DB 5; Length 888;
Best Local Similarity 66.7%; Pred. No. 8.1e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 NVTMANNTI 9
        |||:|:|
Db      160 NVTMAINVI 168
```

```
RESULT 46
US-10-752-505-26
```

Sequence 26, Application US/10752505  
Publication No. US20050137136A1  
GENERAL INFORMATION:  
APPLICANT: Shubata, Kenji  
APPLICANT: Yamaseaki, Motoo  
APPLICANT: Yoshida, Tetsuo  
APPLICANT: Mizukami, Tamio  
TITLE OF INVENTION: B2P Activity-Inhibiting Compound  
FILE REFERENCE: 766.29  
CURRENT APPLICATION NUMBER: US/10/752,505  
CURRENT FILING DATE: 2004-01-08  
PRIOR APPLICATION NUMBER: US/09/269,576  
PRIOR FILING DATE: 1999-03-30  
PRIOR APPLICATION NUMBER: PCT/JP97/03442  
PRIOR FILING DATE: 1997-09-26  
PRIOR APPLICATION NUMBER: JP 259432/1996  
PRIOR FILING DATE: 1996-09-30  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: Wordperfect 8  
SEQ ID NO 26  
LENGTH: 29  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURES:  
OTHER INFORMATION: Synthetic  
FEATURES:  
NAME/KEY: Modified-site  
LOCATION: 1-10 and 26-29  
OTHER INFORMATION: any one or all of amino acids 1-10 and 26-29 may be present or absent  
FEATURES:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: Xaa at position 1 represents Asn, Thr, Ala or Tyr  
FEATURES:  
NAME/KEY: Modified-site  
LOCATION: 2  
OTHER INFORMATION: Xaa at position 2 represents Glu or Asp  
FEATURES:  
NAME/KEY: Modified-site  
LOCATION: 3  
OTHER INFORMATION: Xaa at position 3 represents Ser or Asn  
FEATURES:  
NAME/KEY: Modified-site  
LOCATION: 5  
OTHER INFORMATION: Xaa at position 5 represents Ala or Asn  
FEATURES:  
NAME/KEY: Modified-site  
LOCATION: 6  
OTHER INFORMATION: Xaa at position 6 represents Tyr or Cys  
FEATURES:  
NAME/KEY: Modified-site  
LOCATION: 9  
OTHER INFORMATION: Xaa at position 9 represents Lys or Glu  
FEATURES:  
NAME/KEY: Modified-site  
LOCATION: 25  
OTHER INFORMATION: Xaa at position 25 represents Met or Ile  
FEATURES:  
NAME/KEY: Modified-site  
LOCATION: 27  
OTHER INFORMATION: Xaa at position 27 represents Ile or Val  
US-10-752-505-26

Query Match 73.8%; Score 31; DB 5; Length 29;  
Best Local Similarity 77.8%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 NVLWANNII 9  
DB 20 NVLMARKXI 28

RESULT 47

US-10-424-599-264443  
Sequence 264443, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa Thomas J  
APPLICANT: Kovalic David K  
APPLICANT: Zhou Yihua  
APPLICANT: Cao Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 264443  
LENGTH: 59  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURES:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_80812C.1.pep  
US-10-424-599-264443

Query Match 73.8%; Score 31; DB 4; Length 59;  
Best Local Similarity 55.6%; Pred. No. 66;  
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLWANNII 9  
DB 22 NVLIMNIV 30

RESULT 48

US-09-864-761-43263  
Sequence 43263, Application US/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
APPLICANT: Chen, Wensheng  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: Aeomica-X-1  
CURRENT APPLICATION NUMBER: US/09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00662  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30

```
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 43263
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031301.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.6
US-09-864-761-43263
```

```
Query Match      73.8%; Score 31; DB 3; Length 67;
Best Local Similarity 55.6%; Pred. No. 76;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 NVLMANNII 9
Db      43 NIIIAINII 51
```

```
RESULT 49
US-09-886-055-511
; Sequence 511, Application US/09886055
; Patent No. US20020132273A1
; GENERAL INFORMATION:
; APPLICANT: STRYER, LUBERT
; APPLICANT: ZOZULYA, SERGEY
; TITLE OF INVENTION: RECEPTOR FINGERPRINTING, SENSORY PERCEPTION, AND
; FILE REFERENCE: 078003-0277150
; CURRENT APPLICATION NUMBER: US/09/886,055
; CURRENT FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,812
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 522
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 511
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-886-055-511
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Best Local Similarity 55.6%; Pred. No. 4,1e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
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; Publication No. US20030088059A1
; GENERAL INFORMATION:
; APPLICANT: ZOZULYA, SERGEY
; TITLE OF INVENTION: HUMAN OLFACTORY RECEPTORS AND GENES ENCODING SAME
; FILE REFERENCE: P 0278005
; CURRENT APPLICATION NUMBER: US/09/804,291
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/188,914
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: 60/192,033
; PRIOR FILING DATE: 2000-03-24
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; PRIOR APPLICATION NUMBER: 60/198,474
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; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/213,849
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/226,534
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/230,732
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 60/266,862
; PRIOR FILING DATE: 2001-02-07
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; ORGANISM: Homo sapiens
US-09-804-291-511
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Query Match      73.8%; Score 31; DB 3; Length 312;
Best Local Similarity 55.6%; Pred. No. 4,1e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
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OM protein - protein search, using sw model

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Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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168	26	61.9	336	2	US-09-107-532A-5977	Sequence 5977, App	241	25	59.5	136	2	US-09-134-000C-5215	Sequence 5215, A
169	26	61.9	354	2	US-10-152-886-71	Sequence 71, Appl	242	25	59.5	143	2	US-08-868-699A-4	Sequence 4, Appl1
170	26	61.9	359	2	US-09-489-039A-10540	Sequence 10540, A	243	25	59.5	143	2	US-09-757-014-4	Sequence 4, Appl1
171	26	61.9	375	2	US-09-248-796A-19359	Sequence 19359, A	244	25	59.5	148	2	US-09-248-796A-25163	Sequence 25163, A
172	26	61.9	377	2	US-09-910-430-27	Sequence 27, Appl	245	25	59.5	148	2	US-09-248-796A-26837	Sequence 26837, A
173	26	61.9					246	25	59.5				

247	25	59.5	149	2	US-09-198-452A-878	Sequence 878, App	320	25	59.5	445	1	US-08-900-148-2	Sequence 2, Appl1
248	25	59.5	149	2	US-09-710-279-594	Sequence 594, App	321	25	59.5	445	1	US-08-157-185-2	Sequence 2, Appl1
249	25	59.5	154	2	US-09-134-000C-4176	Sequence 4176, App	322	25	59.5	445	1	US-08-281-528-2	Sequence 2, Appl1
250	25	59.5	154	2	US-09-248-796A-22802	Sequence 22802, A	323	25	59.5	445	2	US-09-450-797-2	Sequence 2, Appl1
251	25	59.5	158	2	US-09-270-767-35572	Sequence 35572, A	324	25	59.5	445	2	US-09-328-314-16	Sequence 16, Appl1
252	25	59.5	158	2	US-09-270-767-50789	Sequence 50789, A	325	25	59.5	445	2	US-09-450-790A-2	Sequence 2, Appl1
253	25	59.5	167	2	US-09-205-258-1026	Sequence 1026, App	326	25	59.5	445	2	US-09-332-837-2	Sequence 2, Appl1
254	25	59.5	167	2	US-10-004-860-1026	Sequence 1026, App	327	25	59.5	445	2	US-09-826-509-451	Sequence 451, App
255	25	59.5	170	2	US-09-902-540-11902	Sequence 11902, A	328	25	59.5	446	4	PCT-US93-10553-12	Sequence 2, Appl1
256	25	59.5	200	2	US-09-198-452A-185	Sequence 185, App	329	25	59.5	446	2	US-09-248-796A-15947	Sequence 15947, A
257	25	59.5	200	2	US-09-438-185A-167	Sequence 167, App	330	25	59.5	446	2	US-09-270-767-34373	Sequence 34373, A
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259	25	59.5	205	2	US-09-270-767-42795	Sequence 42795, A	332	25	59.5	450	2	US-08-258-261A-18	Sequence 18, Appl1
260	25	59.5	206	2	US-09-107-433-2696	Sequence 2696, App	333	25	59.5	455	1	US-08-456-837-18	Sequence 18, Appl1
261	25	59.5	207	2	US-09-583-110-5265	Sequence 5265, App	334	25	59.5	455	1	US-08-457-342-18	Sequence 18, Appl1
262	25	59.5	207	2	US-09-769-787-1	Sequence 1, Appl1	335	25	59.5	455	1	US-08-457-646A-18	Sequence 18, Appl1
263	25	59.5	208	2	US-09-107-433-3916	Sequence 316, App	336	25	59.5	455	1	US-08-458-076A-18	Sequence 18, Appl1
264	25	59.5	224	2	US-09-248-796A-20864	Sequence 20864, A	337	25	59.5	455	1	US-08-457-335A-18	Sequence 18, Appl1
265	25	59.5	230	2	US-09-830-230A-619	Sequence 619, App	338	25	59.5	455	1	US-08-729-214-18	Sequence 18, Appl1
266	25	59.5	234	2	US-09-543-681A-5274	Sequence 5274, App	339	25	59.5	455	1	US-09-028-934-18	Sequence 18, Appl1
267	25	59.5	245	2	US-09-134-000C-6621	Sequence 6621, App	340	25	59.5	463	2	US-09-489-039A-11835	Sequence 11835, A
268	25	59.5	246	2	US-09-107-532A-3808	Sequence 3808, App	341	25	59.5	463	2	US-09-328-352-7117	Sequence 7117, App
269	25	59.5	246	2	US-09-540-236-2695	Sequence 2695, App	342	25	59.5	468	2	US-09-489-039A-7971	Sequence 7971, App
270	25	59.5	249	2	US-09-348-352-5813	Sequence 5813, App	343	25	59.5	475	2	US-09-710-279-2076	Sequence 2076, App
271	25	59.5	254	2	US-09-248-796A-18872	Sequence 18872, A	344	25	59.5	484	2	US-09-583-110-3997	Sequence 3997, App
272	25	59.5	258	2	US-09-556-916-30	Sequence 30, Appl1	345	25	59.5	484	2	US-09-248-796A-17959	Sequence 17959, A
273	25	59.5	261	2	US-10-104-047-2517	Sequence 2517, App	346	25	59.5	484	2	US-09-107-433-4661	Sequence 4661, App
274	25	59.5	262	2	US-09-540-236-2075	Sequence 2075, App	347	25	59.5	484	2	US-09-949-016-10635	Sequence 10635, A
275	25	59.5	263	2	US-09-540-236-2042	Sequence 2042, App	348	25	59.5	484	2	US-09-710-279-770	Sequence 770, App
276	25	59.5	266	2	US-09-393-634-15	Sequence 15, Appl1	349	25	59.5	492	2	US-09-543-681A-6525	Sequence 6525, App
277	25	59.5	271	2	US-09-248-796A-19111	Sequence 19111, A	350	25	59.5	499	2	US-09-248-796A-14648	Sequence 14648, A
278	25	59.5	273	2	US-09-328-352-5843	Sequence 5843, App	351	25	59.5	510	2	US-09-893-737-84	Sequence 84, Appl1
279	25	59.5	276	1	US-08-786-606-5	Sequence 5, Appl1	352	25	59.5	524	2	US-09-134-001C-3353	Sequence 3353, App
280	25	59.5	276	1	US-09-258-1027	Sequence 1027, App	353	25	59.5	524	2	US-09-710-279-1292	Sequence 1292, App
281	25	59.5	276	1	US-09-134-000C-3713	Sequence 3713, App	354	25	59.5	536	2	US-09-449-632-2	Sequence 2, Appl1
282	25	59.5	276	1	US-09-252-991A-24468	Sequence 24468, A	355	25	59.5	536	2	US-09-542-615A-225	Sequence 225, App
283	25	59.5	284	2	US-09-769-787-141	Sequence 141, App	356	25	59.5	550	2	US-09-606-421A-225	Sequence 225, App
284	25	59.5	284	2	US-09-252-991A-18568	Sequence 18568, A	357	25	59.5	550	2	US-09-476-496A-225	Sequence 225, App
285	25	59.5	299	1	US-09-328-352-7993	Sequence 7993, App	358	25	59.5	560	2	US-09-630-940A-225	Sequence 225, App
286	25	59.5	300	1	US-08-874-347-10	Sequence 10, Appl1	359	25	59.5	560	2	US-09-943-075A-6	Sequence 6, Appl1
287	25	59.5	302	2	US-09-093-522-10	Sequence 10, Appl1	360	25	59.5	560	2	US-09-480-884A-225	Sequence 225, App
288	25	59.5	305	2	US-09-270-767-55326	Sequence 45326, A	361	25	59.5	560	2	US-09-542-615A-225	Sequence 225, App
289	25	59.5	309	2	US-09-252-991A-18568	Sequence 18568, A	362	25	59.5	560	2	US-09-606-421A-225	Sequence 225, App
290	25	59.5	316	2	US-09-583-110-6000	Sequence 4000, App	363	25	59.5	560	2	US-09-476-496A-225	Sequence 225, App
291	25	59.5	317	2	US-09-107-433-2640	Sequence 2640, App	364	25	59.5	560	2	US-09-943-075A-6	Sequence 6, Appl1
292	25	59.5	318	2	US-09-248-796A-14325	Sequence 14325, A	365	25	59.5	560	2	US-10-039-272A-2	Sequence 2, Appl1
293	25	59.5	321	2	US-09-134-001C-3321	Sequence 3321, App	366	25	59.5	560	2	US-10-007-700-225	Sequence 225, App
294	25	59.5	325	2	US-09-583-110-3313	Sequence 3313, App	367	25	59.5	560	5	US-09-985-799-90	Sequence 90, Appl1
295	25	59.5	325	2	US-09-769-787-141	Sequence 141, App	368	25	59.5	560	5	US-09-977-371-90	Sequence 90, Appl1
296	25	59.5	340	2	US-09-107-433-4173	Sequence 4173, App	369	25	59.5	571	2	US-10-104-047-2709	Sequence 2709, App
297	25	59.5	341	2	US-09-205-258-1034	Sequence 1034, App	370	25	59.5	614	2	US-09-538-092-75	Sequence 75, Appl1
298	25	59.5	341	2	US-10-004-860-1034	Sequence 1034, App	371	25	59.5	614	2	US-09-328-352-4369	Sequence 4369, App
299	25	59.5	343	2	US-09-363-189B-4	Sequence 4, Appl1	372	25	59.5	623	2	US-09-543-681A-4627	Sequence 4627, App
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302	25	59.5	345	2	US-09-248-796A-15691	Sequence 15691, A	375	25	59.5	663	4	US-09-711-164-332	Sequence 332, App
303	25	59.5	349	2	US-09-270-767-38605	Sequence 38605, A	376	25	59.5	666	2	US-08-937-067-71	Sequence 10, Appl1
304	25	59.5	349	2	US-09-270-767-53822	Sequence 53822, A	377	25	59.5	672	2	US-09-556-916-26	Sequence 26, Appl1
305	25	59.5	359	2	US-09-543-681A-6815	Sequence 6815, A	378	25	59.5	677	2	US-09-489-039A-13088	Sequence 13088, A
306	25	59.5	365	1	US-08-428-243-9	Sequence 9, Appl1	379	25	59.5	679	2	US-09-248-796A-16094	Sequence 16094, A
307	25	59.5	365	4	PCT-US93-10301-9	Sequence 9, Appl1	380	25	59.5	708	2	US-09-252-991A-27035	Sequence 27035, A
308	25	59.5	388	1	US-08-742-621-1	Sequence 1, Appl1	381	25	59.5	719	2	US-09-710-279-1548	Sequence 1548, App
309	25	59.5	388	2	US-09-191-608-32	Sequence 22, Appl1	382	25	59.5	721	2	US-09-533-029-78	Sequence 78, Appl1
310	25	59.5	397	2	US-09-949-016-9419	Sequence 9419, App	383	25	59.5	751	2	US-09-540-236-2921	Sequence 2921, App
311	25	59.5	399	2	US-09-248-796A-18084	Sequence 18084, A	384	25	59.5	779	2	US-09-749-601A-12	Sequence 12, Appl1
312	25	59.5	404	1	US-08-428-243-7	Sequence 7, Appl1	385	25	59.5	796	2	US-08-868-699A-2	Sequence 2, Appl1
313	25	59.5	404	1	PCT-US93-10301-7	Sequence 7, Appl1	386	25	59.5	796	2	US-09-757-014-2	Sequence 2, Appl1
314	25	59.5	422	1	US-07-996-772A-12	Sequence 12, Appl1	387	25	59.5	806	2	US-09-134-001C-4314	Sequence 4314, App
315	25	59.5	423	2	US-09-270-767-43831	Sequence 43831, A	388	25	59.5	900	2	US-09-763-620-35	Sequence 35, Appl1
316	25	59.5	423	2	US-09-248-796A-15349	Sequence 15349, A	389	25	59.5	935	2	US-09-252-991A-33037	Sequence 33037, A
317	25	59.5	433	2	US-10-152-886-11	Sequence 11, Appl1	390	25	59.5	938	2	US-09-949-016-7537	Sequence 7537, App
318	25	59.5	435	1	US-08-031-538-11	Sequence 11, Appl1	391	25	59.5	943	1	US-08-808-982-7	Sequence 7, Appl1
319	25	59.5	440	2	US-09-248-796A-25909	Sequence 25909, A	392	25	59.5	943	2	US-09-306-902A-7	Sequence 7, Appl1

393	25	59.5	945	2	US-10-037-417-121	Sequence 121, App	466	24	57.1	124	2	US-09-949-016-8238	Sequence 8238, Ap
394	25	59.5	946	2	US-09-252-991A-18989	Sequence 18989, A	467	24	57.1	124	2	US-09-949-016-8239	Sequence 8239, Ap
395	25	59.5	1021	2	US-09-489-039A-13589	Sequence 13589, A	468	24	57.1	127	2	US-09-134-000C-4147	Sequence 4147, Ap
396	25	59.5	1105	2	US-08-999-774A-2	Sequence 2, Appl	469	24	57.1	128	2	US-09-583-110-4855	Sequence 4855, Ap
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398	25	59.5	1134	2	US-09-589-477-76	Sequence 76, Appl	471	24	57.1	111	2	US-09-563-791-14	Sequence 14, Appl
399	25	59.5	1134	2	US-10-039-285A-76	Sequence 76, Appl	472	24	57.1	131	2	US-10-419-276-14	Sequence 14, Appl
400	25	59.5	1148	1	US-08-313-185-58	Sequence 58, Appl	473	24	57.1	141	2	US-09-543-681A-6253	Sequence 6253, Ap
401	25	59.5	1148	2	US-09-082-614A-58	Sequence 58, Appl	474	24	57.1	144	2	US-09-732-210-608	Sequence 608, App
402	25	59.5	1285	2	US-09-976-594-507	Sequence 507, App	475	24	57.1	145	2	US-09-543-681A-7213	Sequence 7213, Ap
403	25	59.5	1285	2	US-09-949-016-6576	Sequence 6576, Ap	476	24	57.1	148	2	US-09-732-210-440	Sequence 440, App
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408	25	59.5	1358	2	US-09-949-002-353	Sequence 353, App	481	24	57.1	154	2	US-10-104-047-2867	Sequence 2867, Ap
409	25	59.5	1385	2	US-09-949-002-431	Sequence 431, App	482	24	57.1	158	2	US-09-370-767-34354	Sequence 34354, A
410	25	59.5	1620	2	US-09-949-016-7242	Sequence 7242, Ap	483	24	57.1	158	2	US-09-270-767-49571	Sequence 49571, A
411	25	59.5	1824	1	US-08-680-327-3	Sequence 3, Appl	484	24	57.1	158	2	US-09-107-493-3399	Sequence 3399, Ap
412	25	59.5	1824	2	US-09-228-246-2	Sequence 2, Appl	485	24	57.1	159	2	US-09-963-791-18	Sequence 18, Appl
413	25	59.5	1980	2	US-09-914-472A-3	Sequence 3, Appl	486	24	57.1	159	2	US-10-419-276-18	Sequence 18, Appl
414	25	59.5	1980	2	US-10-638-333-3	Sequence 3, Appl	487	24	57.1	160	2	US-09-215-221-23	Sequence 23, Appl
415	25	59.5	1980	2	US-10-747-133A-3	Sequence 3, Appl	488	24	57.1	164	1	US-08-408-519-4	Sequence 4, Appl
416	25	59.5	3838	2	US-09-949-016-10853	Sequence 10853, A	489	24	57.1	164	4	PCT-US95-03582-4	Sequence 4, Appl
417	24	57.1	8	2	US-08-475-955-66	Sequence 66, Appl	490	24	57.1	165	2	US-09-270-767-43825	Sequence 43825, A
418	24	57.1	37	1	US-07-867-618A-6	Sequence 66, Appl	491	24	57.1	168	2	US-09-302-331B-16	Sequence 16, Appl
419	24	57.1	37	1	US-07-928-611-6	Sequence 6, Appl	492	24	57.1	168	2	US-09-714-767A-9	Sequence 9, Appl
420	24	57.1	37	1	US-08-333-877-6	Sequence 6, Appl	493	24	57.1	178	2	US-09-248-796A-14825	Sequence 14825, A
421	24	57.1	37	1	US-08-467-811A-6	Sequence 6, Appl	494	24	57.1	178	2	US-09-949-016-9028	Sequence 9028, Ap
422	24	57.1	37	1	US-09-060-694-6	Sequence 6, Appl	495	24	57.1	178	2	US-09-949-016-9029	Sequence 9029, Ap
423	24	57.1	37	2	US-09-378-074-6	Sequence 6, Appl	496	24	57.1	196	2	US-09-711-164-379	Sequence 379, App
424	24	57.1	37	2	PCT-US93-07370-6	Sequence 6, Appl	497	24	57.1	196	2	US-09-270-767-59164	Sequence 59164, A
425	24	57.1	40	2	US-09-215-321-18	Sequence 18, Appl	498	24	57.1	204	2	US-09-999-833A-36	Sequence 36, Appl
426	24	57.1	44	2	US-10-318-675-54	Sequence 54, Appl	499	24	57.1	204	2	US-10-020-445A-36	Sequence 36, Appl
427	24	57.1	54	2	US-09-621-976-6888	Sequence 6888, Ap	500	24	57.1	211	2	US-09-489-039A-14442	Sequence 14442, A
428	24	57.1	58	2	US-10-044-359-2	Sequence 2, Appl	501	24	57.1	215	2	US-09-902-540-12660	Sequence 12660, A
429	24	57.1	59	2	US-09-248-796A-24526	Sequence 24526, A	502	24	57.1	215	2	US-09-634-238-223	Sequence 223, App
430	24	57.1	63	2	US-09-248-796A-21103	Sequence 21103, A	503	24	57.1	222	2	US-09-543-681A-5953	Sequence 5953, Ap
431	24	57.1	63	2	US-09-248-796A-14139	Sequence 14139, A	504	24	57.1	224	2	US-09-583-110-3467	Sequence 3467, Ap
432	24	57.1	69	2	US-09-252-991A-30061	Sequence 30061, A	505	24	57.1	226	2	US-09-107-532A-5440	Sequence 5440, Ap
433	24	57.1	70	2	US-09-543-681A-4883	Sequence 4883, Ap	506	24	57.1	231	2	US-09-489-039A-12522	Sequence 12522, A
434	24	57.1	76	2	US-09-134-001C-4499	Sequence 4499, Ap	507	24	57.1	232	2	US-09-438-185A-606	Sequence 606, App
435	24	57.1	76	2	US-09-248-796A-23400	Sequence 23400, A	508	24	57.1	232	2	US-09-489-039A-11576	Sequence 11576, A
436	24	57.1	77	2	US-09-328-352-5816	Sequence 5816, Ap	509	24	57.1	232	2	US-09-543-681A-7155	Sequence 7155, Ap
437	24	57.1	85	2	US-09-103-478-27	Sequence 27, Appl	510	24	57.1	239	2	US-09-543-681A-7289	Sequence 7289, Ap
438	24	57.1	85	2	US-09-193-531C-27	Sequence 27, Appl	511	24	57.1	249	2	US-09-543-681A-7289	Sequence 7289, Ap
439	24	57.1	85	2	US-09-516-052-57	Sequence 57, Appl	512	24	57.1	254	2	US-09-543-681A-7289	Sequence 7289, Ap
440	24	57.1	85	2	US-09-248-796A-21690	Sequence 21690, A	513	24	57.1	254	2	US-09-543-681A-7289	Sequence 7289, Ap
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442	24	57.1	87	1	US-08-289-247B-4	Sequence 4, Appl	515	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
443	24	57.1	87	1	US-08-725-531-4	Sequence 4, Appl	516	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
444	24	57.1	87	1	US-08-728-127-4	Sequence 4, Appl	517	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
445	24	57.1	87	1	US-08-213-392-4	Sequence 4, Appl	518	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
446	24	57.1	87	1	US-09-083-661-4	Sequence 4, Appl	519	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
447	24	57.1	87	1	US-09-083-661-4	Sequence 4, Appl	520	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
448	24	57.1	87	1	US-09-270-767-38617	Sequence 38617, A	521	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
449	24	57.1	87	2	US-09-270-767-53834	Sequence 53834, A	522	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
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453	24	57.1	99	2	US-09-640-211A-620	Sequence 620, App	526	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
454	24	57.1	106	2	US-09-270-767-59237	Sequence 59237, A	527	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
455	24	57.1	111	2	US-09-543-681A-5903	Sequence 5903, App	528	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
456	24	57.1	115	2	US-09-583-110-3822	Sequence 3822, App	529	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
457	24	57.1	115	2	US-09-583-110-4727	Sequence 4727, App	530	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
458	24	57.1	115	2	US-09-583-110-5007	Sequence 5007, App	531	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
459	24	57.1	115	2	US-09-583-110-5216	Sequence 5216, App	532	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
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461	24	57.1	117	2	US-09-107-433-4109	Sequence 4109, App	534	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
462	24	57.1	117	2	US-09-107-433-4132	Sequence 4132, App	535	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
463	24	57.1	119	2	US-09-640-211A-956	Sequence 956, App	536	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
464	24	57.1	123	2	US-09-149-476-693	Sequence 693, App	537	24	57.1	257	2	US-09-543-681A-7289	Sequence 7289, Ap
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540	24	57.1	307	2	US-09-107-433-4045	Sequence 4045, Ap	613	24	57.1	415	2	US-09-026-608-4	Sequence 4, Appl1
541	24	57.1	310	2	US-09-963-791-8	Sequence 8, Appl1	614	24	57.1	415	2	US-09-302-684-4	Sequence 4, Appl1
542	24	57.1	310	2	US-10-419-276-8	Sequence 8, Appl1	615	24	57.1	415	2	US-09-302-540-11178	Sequence 11178, A
543	24	57.1	317	2	US-09-963-791-16	Sequence 16, Appl1	616	24	57.1	415	2	US-10-628-395-4	Sequence 4, Appl1
544	24	57.1	317	2	US-10-419-276-16	Sequence 16, Appl1	617	24	57.1	415	2	US-10-094-944-10	Sequence 10, Appl1
545	24	57.1	319	2	US-09-270-767-42912	Sequence 42912, A	618	24	57.1	419	1	US-08-056-051-4	Sequence 4, Appl1
546	24	57.1	319	2	US-09-902-540-10540	Sequence 10540, A	619	24	57.1	419	1	US-07-928-611-20	Sequence 20, Appl1
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549	24	57.1	332	2	US-09-605-703B-532	Sequence 532, App	622	24	57.1	419	2	US-09-378-074-20	Sequence 20, Appl1
550	24	57.1	335	2	US-09-215-221-26	Sequence 28, Appl1	623	24	57.1	419	4	PCT-US93-07370-20	Sequence 20, Appl1
551	24	57.1	335	2	US-09-949-016-8228	Sequence 8228, Ap	624	24	57.1	426	2	US-09-489-039A-9805	Sequence 9805, Ap
552	24	57.1	337	2	US-10-152-886-101	Sequence 101, App	625	24	57.1	426	2	US-09-248-796A-18214	Sequence 18214, A
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554	24	57.1	338	2	US-09-689-486-63	Sequence 63, Appl1	627	24	57.1	434	1	US-07-679-052A-15	Sequence 15, Appl1
555	24	57.1	338	2	US-10-152-886-61	Sequence 61, Appl1	628	24	57.1	434	1	US-07-952-817-9	Sequence 9, Appl1
556	24	57.1	340	2	US-09-739-455-6	Sequence 6, Appl1	629	24	57.1	434	1	US-07-952-817-14	Sequence 14, Appl1
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561	24	57.1	345	2	US-09-134-000C-4739	Sequence 4739, Ap	634	24	57.1	438	2	US-10-419-276-22	Sequence 22, Appl1
562	24	57.1	346	2	US-09-710-279-504	Sequence 504, App	635	24	57.1	438	2	US-09-543-681A-6887	Sequence 6887, Ap
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565	24	57.1	356	2	US-09-963-791-20	Sequence 20, Appl1	638	24	57.1	447	2	US-09-610-104C-11	Sequence 11, Appl1
566	24	57.1	356	2	US-10-419-276-20	Sequence 20, Appl1	639	24	57.1	448	2	US-09-461-474-8	Sequence 8, Appl1
567	24	57.1	358	2	US-09-252-991A-30170	Sequence 30170, A	640	24	57.1	452	1	US-08-686-599A-18	Sequence 18, Appl1
568	24	57.1	358	2	US-09-198-452A-1133	Sequence 1133, Ap	641	24	57.1	456	2	US-09-976-594-584	Sequence 584, App
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574	24	57.1	375	2	US-10-318-142-2	Sequence 2, Appl1	647	24	57.1	466	2	US-09-215-221-24	Sequence 24, Appl1
575	24	57.1	375	2	US-09-875-076-16	Sequence 16, Appl1	648	24	57.1	466	2	US-09-610-401-3	Sequence 3, Appl1
576	24	57.1	377	2	US-09-622-439-22	Sequence 22, Appl1	649	24	57.1	466	2	US-09-610-401-4	Sequence 4, Appl1
577	24	57.1	377	2	US-10-318-142-22	Sequence 22, Appl1	650	24	57.1	466	2	US-09-167-206-12	Sequence 12, Appl1
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581	24	57.1	382	1	US-08-997-040-3	Sequence 3, Appl1	654	24	57.1	467	1	US-08-487-811A-22	Sequence 22, Appl1
582	24	57.1	382	1	US-09-203-237-3	Sequence 3, Appl1	655	24	57.1	467	1	US-08-686-599A-17	Sequence 17, Appl1
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587	24	57.1	387	1	US-07-626-618A-17	Sequence 17, Appl1	660	24	57.1	468	2	US-09-149-476-387	Sequence 387, Appl1
588	24	57.1	387	1	US-08-086-439C-3	Sequence 3, Appl1	661	24	57.1	468	2	US-09-963-791-6	Sequence 6, Appl1
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592	24	57.1	387	1	US-08-434-877-3	Sequence 3, Appl1	665	24	57.1	477	1	US-07-969-267B-3	Sequence 3, Appl1
593	24	57.1	387	1	US-08-487-811A-18	Sequence 18, Appl1	666	24	57.1	477	2	US-09-168-510-3	Sequence 3, Appl1
594	24	57.1	387	2	US-08-475-742-4	Sequence 4, Appl1	667	24	57.1	477	2	US-09-328-352-7765	Sequence 7765, Ap
595	24	57.1	387	2	US-09-060-694-18	Sequence 18, Appl1	668	24	57.1	477	2	US-09-489-039A-9312	Sequence 9312, Ap
596	24	57.1	387	2	US-09-378-074-18	Sequence 18, Appl1	669	24	57.1	477	2	US-10-277-078-3	Sequence 3, Appl1
597	24	57.1	387	2	US-08-261-293-4	Sequence 4, Appl1	670	24	57.1	477	2	US-09-489-039A-9157	Sequence 9157, Ap
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599	24	57.1	387	4	PCT-US93-07370-18	Sequence 18, Appl1	672	24	57.1	484	1	US-08-746-682A-2	Sequence 2, Appl1
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605	24	57.1	405	1	US-08-477-108A-7	Sequence 7, Appl1	678	24	57.1	500	2	US-09-499-302A-5	Sequence 5, Appl1
606	24	57.1	405	1	US-08-477-112-7	Sequence 7, Appl1	679	24	57.1	503	2	US-09-134-001C-3096	Sequence 3096, Ap
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611	24	57.1	415	1	US-07-693-636A-19	Sequence 19, Appl1	684	24	57.1	508	2	US-09-858-664A-18	Sequence 18, Appl1

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687	24	57.1	512	2	US-09-107-532A-6559	Sequence 6559, Ap	760	24	57.1	1003	2	US-09-198-452A-17	Sequence 17, Appl
688	24	57.1	517	2	US-10-104-047-2679	Sequence 2679, Ap	761	24	57.1	1003	2	US-09-438-185A-8	Sequence 8, Appl
689	24	57.1	523	2	US-09-328-352-6394	Sequence 6394, Ap	762	24	57.1	1020	2	US-09-538-092-911	Sequence 911, Appl
690	24	57.1	523	2	US-09-328-352-6395	Sequence 6395, Ap	763	24	57.1	1024	2	US-09-562-737-86	Sequence 86, Appl
691	24	57.1	523	2	US-10-104-047-2046	Sequence 2046, Ap	764	24	57.1	1061	2	US-09-369-364A-17	Sequence 17, Appl
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694	24	57.1	543	2	US-09-270-767-50841	Sequence 50841, A	767	24	57.1	1135	2	US-09-949-016-10393	Sequence 10393, A
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696	24	57.1	549	2	US-09-673-395A-208	Sequence 208, App	769	24	57.1	1139	1	US-08-537-210A-4	Sequence 4, Appl
697	24	57.1	549	2	US-09-673-395A-564	Sequence 564, App	770	24	57.1	1139	1	US-09-113-825-4	Sequence 4, Appl
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699	24	57.1	585	2	US-09-328-352-6426	Sequence 6426, Ap	772	24	57.1	1150	2	US-09-589-477-74	Sequence 74, Appl
700	24	57.1	586	2	US-09-270-767-44444	Sequence 44444, A	773	24	57.1	1150	2	US-10-099-285A-74	Sequence 74, Appl
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702	24	57.1	589	2	US-09-540-236-3398	Sequence 3398, Ap	775	24	57.1	1266	2	US-09-252-991A-23140	Sequence 23140, A
703	24	57.1	589	2	US-10-419-276-12	Sequence 12, Appl	776	24	57.1	1272	2	US-09-543-681A-5732	Sequence 5732, Ap
704	24	57.1	604	2	US-09-605-703B-2158	Sequence 2158, Ap	777	24	57.1	1342	1	US-07-978-895-4	Sequence 4, Appl
705	24	57.1	611	2	US-09-248-796A-16130	Sequence 16130, A	778	24	57.1	1342	1	US-08-484-438-9	Sequence 9, Appl
706	24	57.1	615	2	US-09-949-016-11320	Sequence 11320, A	779	24	57.1	1342	1	US-08-473-119-4	Sequence 4, Appl
707	24	57.1	645	1	US-08-459-194-2	Sequence 2, Appl	780	24	57.1	1342	1	US-08-475-359-4	Sequence 4, Appl
708	24	57.1	645	1	US-07-968-953-2	Sequence 2, Appl	781	24	57.1	1342	1	US-09-170-699-4	Sequence 4, Appl
709	24	57.1	645	1	US-09-047-645-2	Sequence 2, Appl	782	24	57.1	1343	6	518384-4	Patent No. 518384
710	24	57.1	655	2	US-09-178-352-27	Sequence 27, Appl	783	24	57.1	1343	2	US-09-949-016-9959	Sequence 9959, Ap
711	24	57.1	655	2	US-09-826-660-27	Sequence 27, Appl	784	24	57.1	1360	2	US-10-162-012-34	Sequence 34, Appl
712	24	57.1	658	2	US-08-564-966C-2	Sequence 2, Appl	785	24	57.1	1360	2	US-09-949-016-8022	Sequence 8022, Ap
713	24	57.1	658	2	US-09-506-859-2	Sequence 2, Appl	786	24	57.1	1375	2	US-09-210-361-4	Sequence 4, Appl
714	24	57.1	658	4	PCT-US95-15428-2	Sequence 2, Appl	787	24	57.1	1375	2	US-09-740-274-4	Sequence 4, Appl
715	24	57.1	668	2	US-09-252-991A-22341	Sequence 22341, A	788	24	57.1	1362	2	US-10-087-782A-31	Sequence 31, Appl
716	24	57.1	670	2	US-09-270-767-41037	Sequence 41037, A	789	24	57.1	1415	2	US-09-007-999-2	Sequence 2, Appl
717	24	57.1	670	2	US-09-270-767-56253	Sequence 56253, A	790	24	57.1	1475	2	US-09-210-361-2	Sequence 2, Appl
718	24	57.1	672	2	US-09-543-681A-5976	Sequence 5976, Ap	791	24	57.1	1475	2	US-09-740-274-2	Sequence 2, Appl
719	24	57.1	685	2	US-08-671-757A-12	Sequence 12, Appl	792	24	57.1	1815	2	US-09-270-767-42654	Sequence 42654, A
720	24	57.1	685	2	US-09-015-078-12	Sequence 12, Appl	793	24	57.1	1867	2	US-09-824-574-5	Sequence 5, Appl
721	24	57.1	685	2	US-10-238-977A-12	Sequence 12, Appl	794	24	57.1	1953	2	US-09-917-254-92	Sequence 92, Appl
722	24	57.1	695	2	US-09-252-991A-29605	Sequence 29605, A	795	24	57.1	2628	1	US-08-570-311-14	Sequence 14, Appl
723	24	57.1	695	2	US-09-543-681A-7766	Sequence 7766, Ap	796	24	57.1	2703	1	US-08-185-432-19	Sequence 19, Appl
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725	24	57.1	707	2	US-10-087-402-18	Sequence 18, Appl	798	24	57.1	2703	2	US-09-121-457-4	Sequence 4, Appl
726	24	57.1	718	1	US-08-560-398-12	Sequence 12, Appl	799	24	57.1	2880	2	US-09-413-814-67	Sequence 67, Appl
727	24	57.1	725	2	US-10-118-328-5	Sequence 5, Appl	800	24	57.1	3798	2	US-09-335-409-6	Sequence 6, Appl
728	24	57.1	733	2	US-10-104-047-2340	Sequence 2340, Ap	801	24	57.1	3798	2	US-09-568-102-6	Sequence 6, Appl
729	24	57.1	757	2	US-09-963-791-24	Sequence 24, Appl	802	24	57.1	3798	2	US-09-567-969-6	Sequence 6, Appl
730	24	57.1	757	2	US-10-419-276-24	Sequence 24, Appl	803	24	57.1	3798	2	US-09-568-480-6	Sequence 6, Appl
731	24	57.1	758	2	US-09-328-352-4521	Sequence 4521, Ap	804	24	57.1	3798	2	US-09-568-485-6	Sequence 6, Appl
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## ALIGNMENTS

RESULT 1  
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; Sequence 2, Application US/09308935  
; Patent No. 6268334

; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; CURRENT FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 9  
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; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-2

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; Patent No. 6268334  
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; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935

; CURRENT FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
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US-09-308-935-5

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; Sequence 13, Application US/08428131  
; Patent No. 5863757  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas Barrie  
; TITLE OF INVENTION: Transcription Factor DP-1  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Nixon & Vanderhye  
; STREET: 1100 No. 5863757th Glebe Road, 8th Floor  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22201-4714  
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; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/428,131  
; FILING DATE: 23-JUN-1995  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Arthur R. Crawford  
; REGISTRATION NUMBER: 25,327  
; REFERENCE/DOCKET NUMBER: 117-181  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 816-4000  
; TELEFAX: (703) 816-4100  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
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; TOPOLOGY: linear  
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; Patent No. 615016
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; APPLICANT: La Thangue, Nicholas Barile
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Nixon & Vanderhye
; STREET: 1100 No. 615016th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
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; FILING DATE:
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,131
; FILING DATE: 23-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Arthur R. Crawford
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 117-181
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 13:
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US-09-078-596-13

Query Match          100.0%; Score 42; DB 2; Length 17;
Best Local Similarity 100.0%; Pred. No. 0.024;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAMNII 9
Db      8 NVLMAMNII 16

RESULT 5
US-09-308-935-3
; Sequence 3, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-3

Query Match          100.0%; Score 42; DB 2; Length 19;
Best Local Similarity 100.0%; Pred. No. 0.027;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAMNII 9
Db      9 NVLMAMNII 17

RESULT 6
US-09-308-935-16
; Sequence 16, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 16
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide
US-09-308-935-16

Query Match          100.0%; Score 42; DB 2; Length 19;
Best Local Similarity 100.0%; Pred. No. 0.027;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NVLMAMNII 9
Db      9 NVLMAMNII 17

RESULT 7
US-09-308-935-4
; Sequence 4, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308,935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; EARLIER FILING DATE: 1996-12-20
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-4

Query Match          100.0%; Score 42; DB 2; Length 20;
```

Best Local Similarity 100.0%; Pred. No. 0.029;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 1 NVLMANNII 9

RESULT 8

US-09-269-576G-3  
Sequence 3, Application US/09269576G  
Patent No. 6713449

GENERAL INFORMATION:  
APPLICANT: Shubata, Kenji  
APPLICANT: Yamasaki, Motoo  
APPLICANT: Yoshida, Tetsuo  
APPLICANT: Mizukami, Tamio  
TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
FILE REFERENCE: 766.29  
CURRENT APPLICATION NUMBER: US/09/269,576G  
CURRENT FILING DATE: 1999-03-30  
PRIOR APPLICATION NUMBER: PCT/JP97/03442  
PRIOR FILING DATE: 1997-09-26  
PRIOR APPLICATION NUMBER: JP 259432/1996  
PRIOR FILING DATE: 1996-09-30  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: WordPerfect 8  
SEQ ID NO 3

LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Synthetic  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 28  
OTHER INFORMATION: Xaa at position 28 representing L-serinamide  
US-09-269-576G-3

Query Match 100.0%; Score 42; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.042;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 1 NVLMANNII 27

RESULT 9

US-09-269-576G-21  
Sequence 21, Application US/09269576G  
Patent No. 6713449

GENERAL INFORMATION:  
APPLICANT: Shubata, Kenji  
APPLICANT: Yamasaki, Motoo  
APPLICANT: Yoshida, Tetsuo  
APPLICANT: Mizukami, Tamio  
TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
FILE REFERENCE: 766.29  
CURRENT APPLICATION NUMBER: US/09/269,576G  
CURRENT FILING DATE: 1999-03-30  
PRIOR APPLICATION NUMBER: PCT/JP97/03442  
PRIOR FILING DATE: 1997-09-26  
PRIOR APPLICATION NUMBER: JP 259432/1996  
PRIOR FILING DATE: 1996-09-30  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: WordPerfect 8  
SEQ ID NO 21  
LENGTH: 28

TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Synthetic  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: Xaa at position 1 representing N-lauryl-L-asparagine  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 28  
OTHER INFORMATION: Xaa at position 28 representing L-serinamide  
US-09-269-576G-21

Query Match 100.0%; Score 42; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.042;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 1 NVLMANNII 27

RESULT 10

US-09-269-576G-22  
Sequence 22, Application US/09269576G  
Patent No. 6713449

GENERAL INFORMATION:  
APPLICANT: Shubata, Kenji  
APPLICANT: Yamasaki, Motoo  
APPLICANT: Yoshida, Tetsuo  
APPLICANT: Mizukami, Tamio  
TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
FILE REFERENCE: 766.29  
CURRENT APPLICATION NUMBER: US/09/269,576G  
CURRENT FILING DATE: 1999-03-30  
PRIOR APPLICATION NUMBER: PCT/JP97/03442  
PRIOR FILING DATE: 1997-09-26  
PRIOR APPLICATION NUMBER: JP 259432/1996  
PRIOR FILING DATE: 1996-09-30  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: WordPerfect 8  
SEQ ID NO 22  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Synthetic  
US-09-269-576G-22

Query Match 100.0%; Score 42; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.042;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 1 NVLMANNII 27

RESULT 11

US-09-269-576G-24  
Sequence 24, Application US/09269576G  
Patent No. 6713449

GENERAL INFORMATION:  
APPLICANT: Shubata, Kenji  
APPLICANT: Yamasaki, Motoo  
APPLICANT: Yoshida, Tetsuo  
APPLICANT: Mizukami, Tamio  
TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
FILE REFERENCE: 766.29  
CURRENT APPLICATION NUMBER: US/09/269,576G  
CURRENT FILING DATE: 1999-03-30  
PRIOR APPLICATION NUMBER: PCT/JP97/03442

; PRIOR FILING DATE: 1997-09-26  
; PRIOR APPLICATION NUMBER: JP 259432/1996  
; PRIOR FILING DATE: 1996-09-30  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: WordPerfect 8  
; SEQ ID NO 24  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-09-269-5766-24

Query Match 100.0%; Score 42; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.042;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 19 NVLMANNII 27

RESULT 12  
US-09-308-935-6  
; Sequence 6, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308, 935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-6

Query Match 100.0%; Score 42; DB 2; Length 30;  
Best Local Similarity 100.0%; Pred. No. 0.045;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 5 NVLMANNII 13

RESULT 13  
US-09-308-935-1  
; Sequence 1, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308, 935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-1

Query Match 100.0%; Score 42; DB 2; Length 37;  
Best Local Similarity 100.0%; Pred. No. 0.057;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 12 NVLMANNII 20

RESULT 14  
US-08-428-131-11  
; Sequence 11, Application US/08428131  
; Patent No. 5863757  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas Barrie  
; TITLE OF INVENTION: Transcription Factor DP-1  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Nixon & Vanderhye  
; STREET: 1100 No. 5863757th Glebe Road, 8th Floor  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22201-4714  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/428,131  
; FILING DATE: 23-JUN-1995  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Archur R. Crawford  
; REGISTRATION NUMBER: 25,327  
; REFERENCE/DOCKET NUMBER: 117-181  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 816-4000  
; TELEFAX: (703) 816-4100  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 72 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULAR TYPE: protein  
US-08-428-131-11

Query Match 100.0%; Score 42; DB 1; Length 72;  
Best Local Similarity 100.0%; Pred. No. 0.12;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 15 NVLMANNII 23

RESULT 15  
US-09-078-596-11  
; Sequence 11, Application US/09078596  
; Patent No. 615016  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas Barrie  
; TITLE OF INVENTION: Transcription Factor DP-1

NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,337  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-11

Query Match 100.0%; Score 42; DB 2; Length 72;  
Best Local Similarity 100.0%; Pred. No. 0.12;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 15 NVLMANNII 23

RESULT 16  
US-08-894-139-10  
Sequence 10, Application US/08894139  
Patent No. 6448376  
GENERAL INFORMATION:  
APPLICANT: LA THANGUE, NICHOLAS B.  
APPLICANT: BERNARDS, RENE  
APPLICANT: HUMANS, ELEANORE M.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/894,139  
FILING DATE: 13-AUG-1997  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: WILSON, MARY J.

REGISTRATION NUMBER: 32,955  
REFERENCE/DOCKET NUMBER: 620-22  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 74 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-894-139-10

Query Match 100.0%; Score 42; DB 2; Length 74;  
Best Local Similarity 100.0%; Pred. No. 0.12;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 54 NVLMANNII 62

RESULT 17  
US-09-949-016-9220  
Sequence 9220, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 9220  
LENGTH: 331  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-9220

Query Match 100.0%; Score 42; DB 2; Length 331;  
Best Local Similarity 100.0%; Pred. No. 0.67;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 159 NVLMANNII 167

RESULT 18  
US-08-723-415B-4  
Sequence 4, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: Lathangue, Nicholas B.  
APPLICANT: delaluna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOMORPHS  
THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA

ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patentn Release #1.0, Version #1.30  
CURRENT APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 369 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULAR TYPE: protein  
US-08-723-415B-4

Query Match 100.0%; Score 42; DB 1; Length 369;  
Best Local Similarity 100.0%; Pred. No. 0.76;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 112 NVLMANNII 120

RESULT 19  
US-09-189-627A-4  
Sequence 4, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentn Ver. 2.0  
SEQ ID NO 4  
LENGTH: 369  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-4

Query Match 100.0%; Score 42; DB 2; Length 369;  
Best Local Similarity 100.0%; Pred. No. 0.76; Mismatches 0; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 112 NVLMANNII 120

RESULT 20  
US-09-710-861-4  
Sequence 4, Application US/09710861  
Patent No. 6387649

GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
APPLICANT: de la Luna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/710,861  
CURRENT FILING DATE: 2000-11-13  
PRIOR APPLICATION NUMBER: US/09/189,627  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentn Ver. 2.0  
SEQ ID NO 4  
LENGTH: 369  
TYPE: PRT  
ORGANISM: mouse  
US-09-710-861-4

Query Match 100.0%; Score 42; DB 2; Length 369;  
Best Local Similarity 100.0%; Pred. No. 0.76; Mismatches 0; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
DB 112 NVLMANNII 120

RESULT 21  
US-08-723-415B-6  
Sequence 6, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B.  
APPLICANT: delaLuna, Susana  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4100  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 370 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULAR TYPE: protein  
US-08-723-415B-6

Query Match 100.0%; Score 42; DB 1; Length 370;  
Best Local Similarity 100.0%; Pred. No. 0.76;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVTAMANNII 9  
Db 113 NVTAMANNII 121

RESULT 22  
US-09-189-627A-6  
; Sequence 6, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; CURRENT FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 370  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-189-627A-6

Query Match 100.0%; Score 42; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 0.76;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVTAMANNII 9  
Db 113 NVTAMANNII 121

RESULT 23  
US-09-710-861-6  
; Sequence 6, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/710,861  
; CURRENT FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/189,627  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 370  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-710-861-6

Query Match 100.0%; Score 42; DB 2; Length 370;  
Best Local Similarity 100.0%; Pred. No. 0.76;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVTAMANNII 9  
Db 113 NVTAMANNII 121

Db 113 NVTAMANNII 121

RESULT 24  
US-08-723-415B-8  
; Sequence 8, Application US/08723415B  
; Patent No. 5859199  
; GENERAL INFORMATION:  
; APPLICANT: LaThangue, Nicholas B.  
; APPLICANT: de laLuna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
; TITLE OF INVENTION: THEREOF  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 No. 5859199th Giebe Rd. 8th floor  
; CITY: Arlington  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201-4741  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/723,415B  
; FILING DATE: 30-SEP-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9610195.1  
; FILING DATE: 15-MAY-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Crawford, Arthur R.  
; REGISTRATION NUMBER: 25,327  
; REFERENCE/DOCKET NUMBER: 117-220  
; TELECOMMUNICATION INFORMATION:  
; TELEFAX: 703-816-4000  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 385 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-723-415B-8

Query Match 100.0%; Score 42; DB 1; Length 385;  
Best Local Similarity 100.0%; Pred. No. 0.79;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVTAMANNII 9  
Db 128 NVTAMANNII 136

RESULT 25  
US-09-189-627A-8  
; Sequence 8, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; CURRENT FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 8  
LENGTH: 385  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-8

Query Match 100.0%; Score 42; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 0.79;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
|||||  
Db 128 NVLMANNII 136

RESULT 26  
US-09-710-861-8  
Sequence 8, Application US/09710861  
Patent No. 6387649  
GENERAL INFORMATION:  
APPLICANT: la Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT FILING DATE: 2000-11-13  
PRIOR FILING DATE: US/09/189,627  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 8  
LENGTH: 385  
TYPE: PRT  
ORGANISM: mouse  
US-09-710-861-8

Query Match 100.0%; Score 42; DB 2; Length 385;  
Best Local Similarity 100.0%; Pred. No. 0.79;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
|||||  
Db 128 NVLMANNII 136

RESULT 27  
US-08-723-415B-10  
Sequence 10, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: laThangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
TITLE OF INVENTION: THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B

FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4000  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-10

Query Match 100.0%; Score 42; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.85;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
|||||  
Db 174 NVLMANNII 182

RESULT 28  
US-08-723-415B-11  
Sequence 11, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: laThangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
TITLE OF INVENTION: THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4100  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein

US-08-723-415B-11

Query Match 100.0%; Score 42; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.85;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

Db 174 NVLMANNII 182

RESULT 29

US-08-428-131-2

Sequence 2, Application US/08428131

Patent No. 5863757

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas Barrie

TITLE OF INVENTION: Transcription Factor DP-1

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Nixon &amp; Vanderhye

STREET: 1100 No. 5863757th Glebe Road, 8th Floor

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/428,131

FILING DATE: 23-JUN-1995

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Arthur R. Crawford

REGISTRATION NUMBER: 25,327

REFERENCE/DOCKET NUMBER: 117-181

TELEPHONE: (703) 816-4100

TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 410 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-428-131-2

Query Match 100.0%; Score 42; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.85;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

Db 174 NVLMANNII 182

RESULT 30

US-08-602-846-2

Sequence 2, Application US/08602846

Patent No. 5871901

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas B

TITLE OF INVENTION: ASSAY FOR INHIBITORS OF DP-1 AND OTHER DP

NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Nixon &amp; Vanderhye PC

STREET: 8th Floor, 1100 No. 5871901th Glebe Road

CITY: Arlington

STATE: Virginia

Query Match 100.0%; Score 42; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.85;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

Db 174 NVLMANNII 182

RESULT 31

US-09-078-596-2

Sequence 2, Application US/09078596

Patent No. 6150116

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas Barrie

TITLE OF INVENTION: Transcription Factor DP-1

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Nixon &amp; Vanderhye

STREET: 1100 No. 6150116th Glebe Road, 8th Floor

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/078,596

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/428,131

FILING DATE: 23-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Arthur R. Crawford

REGISTRATION NUMBER: 25,327

REFERENCE/DOCKET NUMBER: 117-181

TELEPHONE: (703) 816-4100

TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 410 amino acids

TYPE: amino acid

Query Match 100.0%; Score 42; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.85;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

Db 174 NVLMANNII 182

RESULT 32

US-09-078-596-2

Sequence 2, Application US/09078596

Patent No. 6150116

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas Barrie

TITLE OF INVENTION: Transcription Factor DP-1

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Nixon &amp; Vanderhye

STREET: 1100 No. 6150116th Glebe Road, 8th Floor

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/078,596

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/428,131

FILING DATE: 23-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Arthur R. Crawford

REGISTRATION NUMBER: 25,327

REFERENCE/DOCKET NUMBER: 117-181

TELEPHONE: (703) 816-4100

TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 410 amino acids

TYPE: amino acid

Query Match 100.0%; Score 42; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.85;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

Db 174 NVLMANNII 182

RESULT 33

US-09-078-596-2

Sequence 2, Application US/09078596

Patent No. 6150116

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas Barrie

TITLE OF INVENTION: Transcription Factor DP-1

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Nixon &amp; Vanderhye

STREET: 1100 No. 6150116th Glebe Road, 8th Floor

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/078,596

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/428,131

FILING DATE: 23-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Arthur R. Crawford

REGISTRATION NUMBER: 25,327

REFERENCE/DOCKET NUMBER: 117-181

TELEPHONE: (703) 816-4100

TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 410 amino acids

TYPE: amino acid

Query Match 100.0%; Score 42; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.85;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

Db 174 NVLMANNII 182

RESULT 34

US-09-078-596-2

Sequence 2, Application US/09078596

Patent No. 6150116

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas Barrie

TITLE OF INVENTION: Transcription Factor DP-1

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Nixon &amp; Vanderhye

STREET: 1100 No. 6150116th Glebe Road, 8th Floor

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/078,596

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/428,131

FILING DATE: 23-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Arthur R. Crawford

REGISTRATION NUMBER: 25,327

REFERENCE/DOCKET NUMBER: 117-181

TELEPHONE: (703) 816-4100

TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 410 amino acids

TYPE: amino acid

Query Match 100.0%; Score 42; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.85;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

Db 174 NVLMANNII 182

RESULT 35

US-09-078-596-2

Sequence 2, Application US/09078596

Patent No. 6150116

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas Barrie

TITLE OF INVENTION: Transcription Factor DP-1

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Nixon &amp; Vanderhye

STREET: 1100 No. 6150116th Glebe Road, 8th Floor

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/078,596

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/428,131

FILING DATE: 23-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Arthur R. Crawford

REGISTRATION NUMBER: 25,327

REFERENCE/DOCKET NUMBER: 117-181

TELEPHONE: (703) 816-4100

TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 410 amino acids

TYPE: amino acid

Query Match 100.0%; Score 42; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.85;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

Db 174 NVLMANNII 182

RESULT 36

US-09-078-596-2

Sequence 2, Application US/09078596

Patent No. 6150116

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas Barrie

TITLE OF INVENTION: Transcription Factor DP-1

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Nixon &amp; Vanderhye

STREET: 1100 No. 6150116th Glebe Road, 8th Floor

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/078,596

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/428,131

FILING DATE: 23-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Arthur R. Crawford

REGISTRATION NUMBER: 25,327

REFERENCE/DOCKET NUMBER: 117-181

TELEPHONE: (703) 816-4100

TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 410 amino acids

TYPE: amino acid

Query Match 100.0%; Score 42; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.85;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

Db 174 NVLMANNII 182

RESULT 37

US-09-078-596-2

Sequence 2, Application US/09078596

Patent No. 6150116

GENERAL INFORMATION:

APPLICANT: La Thangue, Nicholas Barrie

TITLE OF INVENTION: Transcription Factor DP-1

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Nixon &amp; Vanderhye

STREET: 1100 No. 6150116th Glebe Road, 8th Floor

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/078,596

FILING DATE:



TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-2

Query Match 100.0%; Score 42; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.85;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 174 NVLMANNII 182

RESULT 32  
US-09-189-627A-10  
; Sequence 10, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 410  
; TYPE: PRT  
; ORGANISM: human  
US-09-189-627A-10

Query Match 100.0%; Score 42; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.85;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 174 NVLMANNII 182

RESULT 33  
US-09-189-627A-11  
; Sequence 11, Application US/09189627A  
; Patent No. 6159691  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/189,627A  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 410  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-189-627A-11

Query Match 100.0%; Score 42; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.85;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9

|||||||  
Db 174 NVLMANNII 182

RESULT 34  
US-09-710-861-10  
; Sequence 10, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/710,861  
; PRIOR FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/189,627  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 410  
; TYPE: PRT  
; ORGANISM: human  
US-09-710-861-10

Query Match 100.0%; Score 42; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.85;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 174 NVLMANNII 182

RESULT 35  
US-09-710-861-11  
; Sequence 11, Application US/09710861  
; Patent No. 6387649  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas  
; APPLICANT: de la Luna, Susana  
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
; FILE REFERENCE: 620-54  
; CURRENT APPLICATION NUMBER: US/09/710,861  
; PRIOR FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: US/09/189,627  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 08/723,415  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: GB 9610195  
; PRIOR FILING DATE: 1996-05-15  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 410  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-710-861-11

Query Match 100.0%; Score 42; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.85;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 174 NVLMANNII 182

RESULT 36

US-09-949-016-8808  
 ; Sequence 8808, Application US/09949016  
 ; Patent No. 6812339  
 ; GENERAL INFORMATION:  
 ; APPLICANT: VENTER, J. Craig et al.  
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 ; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001307  
 ; CURRENT APPLICATION NUMBER: US/09/949,016  
 ; PRIOR FILING DATE: 2000-04-14  
 ; PRIOR APPLICATION NUMBER: 60/241,755  
 ; PRIOR FILING DATE: 2000-10-20  
 ; PRIOR APPLICATION NUMBER: 60/237,768  
 ; PRIOR FILING DATE: 2000-10-03  
 ; PRIOR APPLICATION NUMBER: 60/231,498  
 ; PRIOR FILING DATE: 2000-09-08  
 ; NUMBER OF SEQ ID NOS: 207012  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 808  
 ; LENGTH: 415  
 ; TYPE: PRT  
 ; ORGANISM: Human  
 ; US-09-949-016-8808

Query Match 100.0%; Score 42; DB 2; Length 415;  
 Best Local Similarity 100.0%; Pred. No. 0.86;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
 Db 179 NVLMANNII 187

RESULT 37  
 US-08-723-415B-2  
 ; Sequence 2, Application US/08723415B  
 ; Patent No. 5859199  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lathangue, Nicholas B.  
 ; APPLICANT: delaluna, Susana  
 ; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
 ; THEREOF  
 ; NUMBER OF SEQUENCES: 21  
 ; CORRESPONDENCE ADDRESSES:  
 ; ADDRESSEE: NIXON & VANDERHAYE P.C.  
 ; STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
 ; City: Arlington  
 ; STATE: VA  
 ; COUNTRY: USA  
 ; ZIP: 22201-4741  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; OPERATING SYSTEM: IBM PC compatible  
 ; SOFTWARE: Patentin Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/723,415B  
 ; FILING DATE: 30-SEP-1996  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: GB 9610195.1  
 ; FILING DATE: 15-MAY-1996  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Crawford, Arthur R.  
 ; REGISTRATION NUMBER: 25,327  
 ; REFERENCE/DOCKET NUMBER: 117-220  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 703-816-4000  
 ; TELEFAX: 703-816-4100  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 446 amino acids  
 ; TYPE: amino acid

TOPOLOGY: linear  
 ; MOLECULAR TYPE: protein  
 ; US-08-723-415B-2

Query Match 100.0%; Score 42; DB 1; Length 446;  
 Best Local Similarity 100.0%; Pred. No. 0.94;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
 Db 189 NVLMANNII 197

RESULT 38  
 US-09-189-627A-2  
 ; Sequence 2, Application US/09189627A  
 ; Patent No. 6159691  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Thangue, Nicholas  
 ; APPLICANT: de la Luna, Susana  
 ; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
 ; FILE REFERENCE: 620-54  
 ; CURRENT APPLICATION NUMBER: US/09/189,627A  
 ; PRIOR FILING DATE: 1998-11-10  
 ; PRIOR APPLICATION NUMBER: 08/723,415  
 ; PRIOR FILING DATE: 1996-09-30  
 ; PRIOR APPLICATION NUMBER: GB 9610195  
 ; PRIOR FILING DATE: 1996-05-15  
 ; NUMBER OF SEQ ID NOS: 25  
 ; SOFTWARE: Patentin Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 446  
 ; TYPE: PRT  
 ; ORGANISM: mouse  
 ; US-09-189-627A-2

Query Match 100.0%; Score 42; DB 2; Length 446;  
 Best Local Similarity 100.0%; Pred. No. 0.94;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
 Db 189 NVLMANNII 197

RESULT 39  
 US-09-710-861-2  
 ; Sequence 2, Application US/09710861  
 ; Patent No. 6387649  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Thangue, Nicholas  
 ; APPLICANT: de la Luna, Susana  
 ; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
 ; FILE REFERENCE: 620-54  
 ; CURRENT APPLICATION NUMBER: US/09/710,861  
 ; PRIOR FILING DATE: 2000-11-13  
 ; PRIOR APPLICATION NUMBER: US/09/189,627  
 ; PRIOR FILING DATE: 1998-11-10  
 ; PRIOR APPLICATION NUMBER: 08/723,415  
 ; PRIOR FILING DATE: 1996-09-30  
 ; PRIOR APPLICATION NUMBER: GB 9610195  
 ; PRIOR FILING DATE: 1996-05-15  
 ; NUMBER OF SEQ ID NOS: 25  
 ; SOFTWARE: Patentin Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 446  
 ; TYPE: PRT  
 ; ORGANISM: mouse  
 ; US-09-710-861-2

Query Match 100.0%; Score 42; DB 2; Length 446;  
 Best Local Similarity 100.0%; Pred. No. 0.94;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
Db 189 NVLMANNII 197

## RESULT 40

US-09-308-935-15  
; Sequence 15, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 15  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-308-935-15

Query Match 90.5%; Score 38; DB 2; Length 19;  
Best Local Similarity 88.9%; Pred. No. 0.18;  
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
Db 9 NVLMANNII 17

RESULT 41  
US-09-640-211A-1157  
; Sequence 1157, Application US/09640211A  
; Patent No. 6833446  
; GENERAL INFORMATION:  
; APPLICANT: Wood, Marion  
; APPLICANT: Shenk, Michael A.  
; APPLICANT: McGrath, Annette  
; APPLICANT: Glenn, Matthew  
; TITLE OF INVENTION: Compositions and Methods for the  
; TITLE OF INVENTION: Modification of Gene Transcription  
; FILE REFERENCE: 11000.1021CIU  
; CURRENT APPLICATION NUMBER: US/09/640,211A  
; CURRENT FILING DATE: 2000-08-16  
; NUMBER OF SEQ ID NOS: 2368  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1157  
; LENGTH: 119  
; TYPE: PRT  
; ORGANISM: Pinus radiata  
US-09-640-211A-1157

Query Match 88.1%; Score 37; DB 2; Length 119;  
Best Local Similarity 88.9%; Pred. No. 2.2;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
Db 82 NVLMANNII 90

RESULT 42  
US-09-640-211A-1056

; Sequence 1056, Application US/09640211A  
; Patent No. 6833446  
; GENERAL INFORMATION:  
; APPLICANT: Wood, Marion  
; APPLICANT: Shenk, Michael A.  
; APPLICANT: McGrath, Annette  
; APPLICANT: Glenn, Matthew  
; TITLE OF INVENTION: Compositions and Methods for the  
; TITLE OF INVENTION: Modification of Gene Transcription  
; FILE REFERENCE: 11000.1021CIU  
; CURRENT APPLICATION NUMBER: US/09/640,211A  
; CURRENT FILING DATE: 2000-08-16  
; NUMBER OF SEQ ID NOS: 2368  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1056  
; LENGTH: 120  
; TYPE: PRT  
; ORGANISM: Pinus radiata  
US-09-640-211A-1056

Query Match 88.1%; Score 37; DB 2; Length 120;  
Best Local Similarity 88.9%; Pred. No. 2.3;  
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
Db 81 NVLMANNII 89

RESULT 43  
US-09-308-935-17  
; Sequence 17, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935  
; EARLIER FILING DATE: 1999-05-27  
; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
; EARLIER FILING DATE: 1997-12-22  
; EARLIER APPLICATION NUMBER: GB 9626589.7  
; EARLIER FILING DATE: 1996-12-20  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 17  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Mutant peptide  
US-09-308-935-17

Query Match 85.7%; Score 36; DB 2; Length 19;  
Best Local Similarity 88.9%; Pred. No. 0.46;  
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
| | | | |  
Db 9 NVLMANNII 17

RESULT 44  
US-09-308-935-11  
; Sequence 11, Application US/09308935  
; Patent No. 6268334  
; GENERAL INFORMATION:  
; APPLICANT: La Thangue, Nicholas B  
; APPLICANT: Bandara, Lasantha R  
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors  
; FILE REFERENCE: 620-67  
; CURRENT APPLICATION NUMBER: US/09/308,935

;; CURRENT FILING DATE: 1999-05-27  
;; EARLIER APPLICATION NUMBER: PCT/GB97/03506  
;; EARLIER FILING DATE: 1997-12-22  
;; EARLIER APPLICATION NUMBER: GB 9626589.7  
;; NUMBER OF SEQ ID NOS: 18  
;; SOFTWARE: PatentIn Ver. 2.1  
;; SEQ ID NO 11  
;; LENGTH: 14  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-308-935-11

Query Match 81.0%; Score 34; DB 2; Length 14;  
Best Local Similarity 100.0%; Pred. No. 0.83;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANN 7  
Db 8 NVLMANN 14

RESULT 45  
US-08-194-338-14  
;; Sequence 14, Application US/08194338  
;; Patent No. 5474898  
;; GENERAL INFORMATION:  
;; APPLICANT: Venter, John C.  
;; APPLICANT: Fraser, Claire M.  
;; APPLICANT: McCombie, William R.  
;; TITLE OF INVENTION: OCTOPAMINE RECEPTOR  
;; NUMBER OF SEQUENCES: 16  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Knobbe, Martens, Olson and Bear  
;; STREET: 620 Newport Center Drive, Sixteenth Floor  
;; CITY: Newport Beach  
;; STATE: CA  
;; COUNTRY: USA  
;; ZIP: 92660  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/194,338  
;; FILING DATE: 08-FEB-1994  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 07/676,174  
;; FILING DATE: 28-MAR-1991  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Israelson, Ned A.  
;; REGISTRATION NUMBER: 29,655  
;; REFERENCE/DOCKET NUMBER: NIH01.001DVI  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (619) 235-8550  
;; TELEFAX: (619) 235-0176  
;; INFORMATION FOR SEQ ID NO: 14:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 63 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: NO  
;; FRAGMENT TYPE: internal  
US-08-194-338-14

Query Match 78.6%; Score 33; DB 1; Length 63;

Best Local Similarity 66.7%; Pred. No. 7.2;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 3 NVLMANNII 11

RESULT 46  
US-09-252-991A-22990  
;; Sequence 22990, Application US/09252991A  
;; Patent No. 6551795  
;; GENERAL INFORMATION:  
;; APPLICANT: Marc J. Rubenfield et al.  
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
;; FILE REFERENCE: 107196.136  
;; CURRENT APPLICATION NUMBER: US/09/252,991A  
;; CURRENT FILING DATE: 1999-02-18  
;; PRIOR APPLICATION NUMBER: US 60/074,788  
;; PRIOR FILING DATE: 1998-02-18  
;; PRIOR APPLICATION NUMBER: US 60/094,190  
;; PRIOR FILING DATE: 1998-07-27  
;; NUMBER OF SEQ ID NOS: 33142  
;; SEQ ID NO 22990  
;; LENGTH: 387  
;; TYPE: PRT  
;; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-22990

Query Match 76.2%; Score 32; DB 2; Length 387;  
Best Local Similarity 66.7%; Pred. No. 89;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 NVLMANNII 9  
Db 187 NVLMANNII 195

RESULT 47  
US-09-269-576G-26  
;; Sequence 26, Application US/09269576G  
;; Patent No. 6713449  
;; GENERAL INFORMATION:  
;; APPLICANT: Shubata, Kenji  
;; APPLICANT: Yamasaki, Motoo  
;; APPLICANT: Yoshida, Tetsuo  
;; APPLICANT: Mizukami, Tamio  
;; TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
;; FILE REFERENCE: 766.29  
;; CURRENT APPLICATION NUMBER: US/09/269,576G  
;; CURRENT FILING DATE: 1999-03-30  
;; PRIOR APPLICATION NUMBER: PCT/JP97/03442  
;; PRIOR FILING DATE: 1997-09-26  
;; PRIOR APPLICATION NUMBER: JP 259432/1996  
;; PRIOR FILING DATE: 1996-09-30  
;; NUMBER OF SEQ ID NOS: 27  
;; SOFTWARE: WordPerfect 8  
;; SEQ ID NO 26  
;; LENGTH: 29  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Synthetic  
;; NAME/KEY: Modified-site  
;; LOCATION: 1-10 and 26-29  
;; OTHER INFORMATION: any one or all of amino acids 1-10 and 26-29 may be present or absent  
;; NAME/KEY: Modified-site  
;; LOCATION: 1  
;; OTHER INFORMATION: Xaa at position 1 represents Asn, Thr, Ala or Tyr

```
/ NAME/KEY: Modified-site
/ LOCATION: 2
/ OTHER INFORMATION: Xaa at position 2 represents Glu or Asp
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 3
/ OTHER INFORMATION: Xaa at position 3 represents Ser or Asn
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 5
/ OTHER INFORMATION: Xaa at position 5 represents Ala or Asn
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 6
/ OTHER INFORMATION: Xaa at position 6 represents Tyr or Cys
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 9
/ OTHER INFORMATION: Xaa at position 9 represents Lys or Glu
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 25
/ OTHER INFORMATION: Xaa at position 25 represents Met or Ile
/ FEATURE:
/ NAME/KEY: Modified-site
/ LOCATION: 27
/ OTHER INFORMATION: Xaa at position 27 represents Ile or Val
US-09-269-5766-26
```

```
Query Match      73.8%; Score 31; DB 2; Length 29;
Best Local Similarity 77.8%; Pred. No. 7.7;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 NVLMAMNII 9
Db      20 NVLMAMNXXI 28
```

```
RESULT 48
US-09-270-767-37330
/ Sequence 37330, Application US/09270767
/ Patent No. 6703491
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
/ FILE REFERENCE: File Reference: 7326-094
/ CURRENT APPLICATION NUMBER: US/09/270,767
/ NUMBER OF SEQ ID NOS: 62517
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 37330
/ LENGTH: 150
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
/ FEATURE:
/ OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-37330
```

```
Query Match      71.4%; Score 30; DB 2; Length 150;
Best Local Similarity 66.7%; Pred. No. 78;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 NVLMAMNII 9
Db      10 NVLMAPMLI 18
```

```
RESULT 49
US-09-270-767-52547
/ Sequence 52547, Application US/09270767
/ Patent No. 6703491
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
```

```
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
/ FILE REFERENCE: File Reference: 7326-094
/ CURRENT APPLICATION NUMBER: US/09/270,767
/ CURRENT FILING DATE: 1999-03-17
/ NUMBER OF SEQ ID NOS: 62517
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 52547
/ LENGTH: 150
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
/ FEATURE:
/ OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-52547
```

```
Query Match      71.4%; Score 30; DB 2; Length 150;
Best Local Similarity 66.7%; Pred. No. 78;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 NVLMAMNII 9
Db      10 NVLMAPMLI 18
```

```
RESULT 50
US-09-902-540-16036
/ Sequence 16036, Application US/0902540
/ Patent No. 6833447
/ GENERAL INFORMATION:
/ APPLICANT: Goldman, Barry S.
/ APPLICANT: Hinkle, Gregory J.
/ APPLICANT: Slater, Steven C.
/ APPLICANT: Miegand, Roger C.
/ TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
/ FILE REFERENCE: 38-10(15849)B
/ CURRENT APPLICATION NUMBER: US/09/902,540
/ CURRENT FILING DATE: 2001-07-10
/ PRIOR APPLICATION NUMBER: 60/217,883
/ PRIOR FILING DATE: 2000-07-10
/ NUMBER OF SEQ ID NOS: 16825
/ SEQ ID NO 16036
/ LENGTH: 176
/ TYPE: PRT
/ ORGANISM: Myxococcus xanthus
US-09-902-540-16036
```

```
Query Match      71.4%; Score 30; DB 2; Length 176;
Best Local Similarity 71.4%; Pred. No. 94;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 NVLMAMN 7
Db      146 NIMMALN 152
```

```
Search completed: March 17, 2006, 20:54:33
Job time : 28.3864 secs
```

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```
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-060-029-15

Query Match      81.2%; Score 151; DB 7; Length 344;
Best Local Similarity 83.3%; Pred. No. 3.3e-14;
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLMMANNISKEKEIKWIGLPTNS 36
    |||||
Db 148 KNIRRRYDALNVLMMANNISKEKEIKWIGLPTNS 183
    |||||

RESULT 3
US-11-060-029-19
; Sequence 19, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-060-029-19

Query Match      81.2%; Score 151; DB 7; Length 346;
Best Local Similarity 83.3%; Pred. No. 3.3e-14;
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLMMANNISKEKEIKWIGLPTNS 36
    |||||
Db 150 KNIRRRYDALNVLMMANNISKEKEIKWIGLPTNS 185
    |||||

RESULT 4
US-11-060-029-2
; Sequence 2, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 385
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-060-029-2

Query Match      81.2%; Score 151; DB 7; Length 385;
Best Local Similarity 83.3%; Pred. No. 3.8e-14;
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLMMANNISKEKEIKWIGLPTNS 36
    |||||
Db 152 KNIRRRYDALNVLMMANNISKEKEIKWIGLPTNS 187
    |||||

RESULT 5
US-11-060-029-13
; Sequence 13, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
```

```
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
; LENGTH: 386
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (40)..(40)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; NAME/KEY: misc_feature
; LOCATION: (102)..(102)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-060-029-13

Query Match      81.2%; Score 151; DB 7; Length 386;
Best Local Similarity 83.3%; Pred. No. 3.8e-14;
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLMMANNISKEKEIKWIGLPTNS 36
    |||||
Db 185 KNIRRRYDALNVLMMANNISKEKEIKWIGLPTNS 220
    |||||

RESULT 6
US-11-060-029-4
; Sequence 4, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-060-029-4

Query Match      81.2%; Score 151; DB 7; Length 413;
Best Local Similarity 83.3%; Pred. No. 4.1e-14;
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLMMANNISKEKEIKWIGLPTNS 36
    |||||
Db 169 KNIRRRYDALNVLMMANNISKEKEIKWIGLPTNS 204
    |||||

RESULT 7
US-11-060-029-17
; Sequence 17, Application US/11060029
; Publication No. US20050268358A1
; GENERAL INFORMATION:
; APPLICANT: CropDesign N.V.
; TITLE OF INVENTION: Plants having improved growth characteristics and a method for
; FILE REFERENCE: CD-113-prio
; CURRENT APPLICATION NUMBER: US/11/060,029
; CURRENT FILING DATE: 2005-02-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 17
```



LENGTH: 379  
TYPE: PRT  
ORGANISM: Oryza sativa  
US-11-060-029-17

Query Match 80.6%; Score 150; DB 7; Length 379;  
Best Local Similarity 83.3%; Pred. No. 5.2e-14;  
Matches 30; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 KNIRRRVYDALNTLMANNIISKKEIKWIGLPTNS 36  
DB 178 KNIRRRVYDALNTLMANNIISKKEIKWIGLPTNS 213

RESULT 8  
US-11-060-029-23

Sequence 23, Application US/11060029  
Publication No. US20050268358A1  
GENERAL INFORMATION:

APPLICANT: CropDesign N.V.

TITLE OF INVENTION: Plants having improved growth characteristics and a method for

TITLE OF INVENTION: making the same

FILE REFERENCE: CD-113-prio

CURRENT APPLICATION NUMBER: US/11/060.029

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn version 3.2

SEQ ID NO 23

LENGTH: 353

TYPE: PRT

ORGANISM: Populus tremula x Populus tremuloides

US-11-060-029-23

Query Match 79.6%; Score 148; DB 7; Length 353;  
Best Local Similarity 80.6%; Pred. No. 9.2e-14;  
Matches 29; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRVYDALNTLMANNIISKKEIKWIGLPTNS 36  
DB 152 KNIRRRVYDALNTLMANNIISKKEIKWIGLPTNS 187

RESULT 9  
US-10-967-648A-12

Sequence 12, Application US/10967648A  
Publication No. US20050245473A1  
GENERAL INFORMATION:

APPLICANT: Saunders, Nicholas A

TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses

TITLE OF INVENTION: thereof

FILE REFERENCE: 12493972

CURRENT APPLICATION NUMBER: US/10/967.648A

NUMBER OF SEQ ID NOS: 16

SOFTWARE: PatentIn version 3.3

SEQ ID NO 12

LENGTH: 281

TYPE: PRT

ORGANISM: Human

US-10-967-648A-12

Query Match 39.0%; Score 72.5; DB 6; Length 281;  
Best Local Similarity 48.3%; Pred. No. 0.0056;  
Matches 14; Conservative 7; Mismatches 7; Indels 1; Gaps 1;

QY 4 RRRVYDALNTLMANNIISKKEIKWIG 31  
DB 100 RRRVYDALNTLMANNIISKKEIKWIG 128

RESULT 10

US-11-096-568A-2816  
Sequence 2816, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:

APPLICANT: Alexandrov, Nikolai et al.

TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides

TITLE OF INVENTION: Thereby

FILE REFERENCE: 2750-1592PUS2

CURRENT APPLICATION NUMBER: US/11/096.568A

NUMBER OF SEQ ID NOS: 34471

SEQ ID NO 2816

LENGTH: 384

TYPE: PRT

ORGANISM: Glycine max

NAME/KEY: misc feature

LOCATION: (1)-(384)

OTHER INFORMATION: Ceres Seq. ID no. 12610325

US-11-096-568A-2816

Query Match 38.7%; Score 72; DB 7; Length 384;  
Best Local Similarity 45.5%; Pred. No. 0.0095;  
Matches 15; Conservative 4; Mismatches 8; Indels 6; Gaps 1;

QY 5 RRVYDALNTLMANNIISKKEIKWIG 31  
DB 206 RRVYDALNTLMANNIISKKEIKWIG 238

RESULT 11  
US-11-096-568A-2817

Sequence 2817, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:

APPLICANT: Alexandrov, Nikolai et al.

TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides

TITLE OF INVENTION: Thereby

FILE REFERENCE: 2750-1592PUS2

CURRENT APPLICATION NUMBER: US/11/096.568A

NUMBER OF SEQ ID NOS: 34471

SEQ ID NO 2817

LENGTH: 384

TYPE: PRT

ORGANISM: Glycine max

NAME/KEY: misc feature

LOCATION: (1)-(384)

OTHER INFORMATION: Ceres Seq. ID no. 16625362

US-11-096-568A-2817

Query Match 38.7%; Score 72; DB 7; Length 384;  
Best Local Similarity 45.5%; Pred. No. 0.0095;  
Matches 15; Conservative 4; Mismatches 8; Indels 6; Gaps 1;

QY 5 RRVYDALNTLMANNIISKKEIKWIG 31  
DB 206 RRVYDALNTLMANNIISKKEIKWIG 238

RESULT 12  
US-11-096-568A-2815

Sequence 2815, Application US/11096568A  
Publication No. US20060048240A1  
GENERAL INFORMATION:

APPLICANT: Alexandrov, Nikolai et al.

TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides

TITLE OF INVENTION: Thereby

FILE REFERENCE: 2750-1592PUS2

CURRENT APPLICATION NUMBER: US/11/096.568A

NUMBER OF SEQ ID NOS: 34471

SEQ ID NO 2815  
LENGTH: 385  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(385)  
OTHER INFORMATION: Ceres Seq. ID no. 12610324  
US-11-096-568A-2815

Query Match 38.7%; Score 72; DB 7; Length 385;  
Best Local Similarity 45.5%; Pred. No. 0.0095;  
Matches 15; Conservative 4; Mismatches 8; Indels 6; Gaps 1;

QY 5 RRVYDALNVLMANNISKE-----EKKEIKWIG 31  
DB 207 RRVYDALNVLMANNISKE-----EKKEIKWIG 239

RESULT 13  
US-10-967-648A-16  
Sequence 16, Application US/10967648A  
Publication No. US20050245473A1  
GENERAL INFORMATION:  
APPLICANT: Saunders, Nicholas A  
TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
FILE REFERENCE: 12493972  
CURRENT APPLICATION NUMBER: US/10/967,648A  
CURRENT FILING DATE: 2004-10-15  
PRIOR APPLICATION NUMBER: USSN 60/512010  
PRIOR FILING DATE: 2003-10-16  
NUMBER OF SEQ ID NOS: 16  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 16  
LENGTH: 121  
TYPE: PRT  
ORGANISM: Human  
US-10-967-648A-16

Query Match 38.4%; Score 71.5; DB 6; Length 121;  
Best Local Similarity 43.8%; Pred. No. 0.0029;  
Matches 14; Conservative 8; Mismatches 9; Indels 1; Gaps 1;

QY 4 RRVYDALNVLMANNISKE-KKEIKWIGLPT 34  
DB 50 KRRYDITNVLEGIQIAKSKNHIQWLSGHT 81

RESULT 14  
US-10-967-648A-2  
Sequence 2, Application US/10967648A  
Publication No. US20050245473A1  
GENERAL INFORMATION:  
APPLICANT: Saunders, Nicholas A  
TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
FILE REFERENCE: 12493972  
CURRENT APPLICATION NUMBER: US/10/967,648A  
CURRENT FILING DATE: 2004-10-15  
PRIOR APPLICATION NUMBER: USSN 60/512010  
PRIOR FILING DATE: 2003-10-16  
NUMBER OF SEQ ID NOS: 16  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 2  
LENGTH: 437  
TYPE: PRT  
ORGANISM: Human  
US-10-967-648A-2

Query Match 38.4%; Score 71.5; DB 6; Length 437;  
Best Local Similarity 43.8%; Pred. No. 0.013;  
Matches 14; Conservative 8; Mismatches 9; Indels 1; Gaps 1;

QY 4 RRVYDALNVLMANNISKE-KKEIKWIGLPT 34  
DB 164 KRRYDITNVLEGIQIAKSKNHIQWLSGHT 195

RESULT 15  
US-10-863-093-5  
Sequence 5, Application US/10863093  
Publication No. US20050269081A1  
GENERAL INFORMATION:  
APPLICANT: Andrews, William H.  
APPLICANT: Foster, Christopher A.  
APPLICANT: Fraser, Stephanie  
APPLICANT: Mohammadpour, Hamid  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING  
FILE REFERENCE: STER-005  
CURRENT APPLICATION NUMBER: US/10/863,093  
CURRENT FILING DATE: 2004-06-08  
PRIOR APPLICATION NUMBER: US/09/932,581  
PRIOR FILING DATE: 2001-08-17  
PRIOR APPLICATION NUMBER: 60/227,865  
PRIOR FILING DATE: 2000-08-24  
PRIOR APPLICATION NUMBER: 60/230,174  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/238,345  
PRIOR FILING DATE: 2000-10-05  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 5  
LENGTH: 85  
TYPE: PRT  
ORGANISM: human  
US-10-863-093-5

Query Match 37.9%; Score 70.5; DB 6; Length 85;  
Best Local Similarity 44.8%; Pred. No. 0.0026;  
Matches 13; Conservative 8; Mismatches 7; Indels 1; Gaps 1;

QY 4 RRVYDALNVLMANNISKE-KKEIKWIG 31  
DB 55 KRRYDITNVLEGIQIAKSKNHIQWLG 83

Search completed: March 17, 2006, 20:52:51  
Job time : 15.8851 secs

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using SW model

Run on: March 17, 2006, 20:46:22 ; Search time 119.931 Seconds  
(without alignments)  
128.905 Million cell updates/sec

Title: US-09-900-147-1

Perfect score: 186  
Sequence: 1 KNIRRRYDALNYLMANNISKEKEIKWIGLPTNSA 37

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database: Published Applications AA Main:\*

- 1: /cgn2\_6/ptodaca/1/pubpaa/US07\_PUBCOMB pep:\*
- 2: /cgn2\_6/ptodaca/1/pubpaa/US08\_PUBCOMB pep:\*
- 3: /cgn2\_6/ptodaca/1/pubpaa/US09\_PUBCOMB pep:\*
- 4: /cgn2\_6/ptodaca/1/pubpaa/US10\_PUBCOMB pep:\*
- 5: /cgn2\_6/ptodaca/1/pubpaa/US10B\_PUBCOMB pep:\*
- 6: /cgn2\_6/ptodaca/1/pubpaa/US11\_PUBCOMB pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	186	100.0	37	US-09-900-147-1	Sequence 1, Appli
2	186	100.0	149	US-10-450-763-35869	Sequence 35869, A
3	186	100.0	355	US-10-106-698-4846	Sequence 4846, Ap
4	186	100.0	424	US-10-450-763-58416	Sequence 58416, A
5	166	89.2	445	US-11-097-143-9348	Sequence 9348, Ap
6	164	88.2	405	US-10-053-248-24	Sequence 24, Appl
7	164	88.2	405	US-10-345-837-24	Sequence 24, Appl
8	162	87.1	185	US-10-450-763-35867	Sequence 35867, A
9	160	86.0	74	US-10-214-188-10	Sequence 10, Appl
10	158	84.9	119	US-10-856-499-1157	Sequence 1157, Ap
11	153	82.3	120	US-10-856-499-1056	Sequence 1056, Ap
12	153	82.3	575	US-09-900-091-7	Sequence 7, Appli
13	152	81.7	30	US-09-900-147-6	Sequence 6, Appli
14	151	81.2	207	US-10-425-114-71403	Sequence 71403, A
15	151	81.2	222	US-10-425-114-36974	Sequence 36974, A
16	151	81.2	301	US-10-425-115-272014	Sequence 272014, A
17	151	81.2	314	US-10-424-599-185947	Sequence 185947, A
18	151	81.2	318	US-10-457-963-166158	Sequence 166158, A
19	151	81.2	385	US-10-739-930-6734	Sequence 6734, Ap
20	150	80.6	263	US-10-437-963-167076	Sequence 167076, A
21	150	80.6	336	US-10-425-114-46555	Sequence 46555, A
22	150	80.6	341	US-10-425-115-186696	Sequence 186696, A
23	148	79.6	320	US-10-424-599-186648	Sequence 186648, A
24	136	73.1	292	US-10-489-500-4	Sequence 4, Appli
25	132.5	71.2	369	US-10-437-963-136371	Sequence 136371, A
26	129	69.4	250	US-10-425-115-188778	Sequence 188778, A
27	108	58.1	165	US-10-424-599-234773	Sequence 234773, A

28	101	54.3	20	3	US-09-900-147-4	Sequence 4, Appli
29	101	54.3	28	5	US-10-752-505-22	Sequence 22, Appl
30	101	54.3	28	5	US-10-752-505-24	Sequence 24, Appl
31	97	52.2	28	5	US-10-752-505-3	Sequence 3, Appli
32	97	52.2	28	5	US-10-752-505-21	Sequence 21, Appl
33	91	48.9	19	3	US-09-900-147-3	Sequence 3, Appli
34	85	45.7	29	5	US-10-752-505-26	Sequence 26, Appl
35	83	44.6	19	3	US-09-900-147-15	Sequence 15, Appl
36	82.5	44.4	287	5	US-10-732-923-3422	Sequence 3422, Ap
37	82.5	44.4	412	5	US-10-732-923-3424	Sequence 3424, Ap
38	82.5	44.4	470	5	US-10-732-923-3423	Sequence 3423, Ap
39	80	43.0	15	3	US-09-900-147-10	Sequence 10, Appl
40	79	42.5	19	3	US-09-900-147-17	Sequence 17, Appl
41	77.5	41.7	282	5	US-10-732-923-3446	Sequence 3446, Ap
42	77	41.4	19	3	US-09-900-147-16	Sequence 16, Appl
43	76.5	41.1	198	5	US-10-732-923-3386	Sequence 3386, Ap
44	76	40.9	16	3	US-09-900-147-5	Sequence 5, Appli
45	74.5	40.1	181	5	US-10-732-923-3379	Sequence 3379, Ap

## ALIGNMENTS

```
RESULT 1
US-09-900-147-1
; Sequence 1, Application US/09900147
; Patent No. US20020103121A1
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/900,147
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-1
Query Match          100.0%; Score 186; DB 3; Length 37;
Best Local Similarity 100.0%; Pred. No. 1.2e-19;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      1 KNIRRRYDALNYLMANNISKEKEIKWIGLPTNSA 37
Db      1 KNIRRRYDALNYLMANNISKEKEIKWIGLPTNSA 37
RESULT 2
US-10-450-763-35869
; Sequence 35869, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/06631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
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NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Cuscom  
SEQ ID NO 35869  
LENGTH: 149  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-450-763-35869

Query Match 100.0%; Score 186; DB 5; Length 149;  
Best Local Similarity 100.0%; Pred. No. 5.7e-19;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALTVMANNISKEKEIKWIGLPTNSA 37  
DB 22 KNIRRRYDALTVMANNISKEKEIKWIGLPTNSA 58

RESULT 3  
US-10-106-698-4846  
Sequence 4846, Application US/10106698  
Publication No. US20030109690A1  
GENERAL INFORMATION:

APPLICANT: Ruben et al.  
TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide  
FILE REFERENCE: PA005P1  
CURRENT APPLICATION NUMBER: US/10/106,698  
CURRENT FILING DATE: 2002-03-27  
PRIOR APPLICATION NUMBER: PCT/US00/26524  
PRIOR FILING DATE: 2000-09-28  
PRIOR APPLICATION NUMBER: US 60/157,137  
PRIOR FILING DATE: 1999-09-29  
PRIOR APPLICATION NUMBER: US 60/163,280  
PRIOR FILING DATE: 1999-11-03  
NUMBER OF SEQ ID NOS: 8564  
SOFTWARE: PatentIn Ver. 3.0  
SEQ ID NO 4846  
LENGTH: 355  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (342)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: MISC FEATURE  
LOCATION: (348)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: MISC FEATURE  
LOCATION: (351)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: MISC FEATURE  
LOCATION: (352)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-10-106-698-4846

Query Match 100.0%; Score 186; DB 4; Length 355;  
Best Local Similarity 100.0%; Pred. No. 1.5e-18;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALTVMANNISKEKEIKWIGLPTNSA 37  
DB 169 KNIRRRYDALTVMANNISKEKEIKWIGLPTNSA 205

RESULT 4  
US-10-450-763-58416

Sequence 58416, Application US/10450763  
Publication No. US20050196754A1  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 790CIP3/US  
CURRENT APPLICATION NUMBER: US/10/450,763  
CURRENT FILING DATE: 2003-06-11

PRIOR APPLICATION NUMBER: PCT/US01/08631  
PRIOR FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 09/540,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Cuscom  
SEQ ID NO 58416  
LENGTH: 424  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-450-763-58416

Query Match 100.0%; Score 186; DB 5; Length 424;  
Best Local Similarity 100.0%; Pred. No. 1.9e-18;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALTVMANNISKEKEIKWIGLPTNSA 37  
DB 156 KNIRRRYDALTVMANNISKEKEIKWIGLPTNSA 192

RESULT 5  
US-11-097-143-9348  
Sequence 9348, Application US/11097143  
Publication No. US20050208558A1  
GENERAL INFORMATION:

APPLICANT: Venter, J. Craig  
TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE  
FILE REFERENCE: CL000728  
CURRENT APPLICATION NUMBER: US/11/097,143  
CURRENT FILING DATE: 2005-04-04  
PRIOR APPLICATION NUMBER: 60/157,832  
PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: 60/160,191  
PRIOR FILING DATE: 1999-10-19  
PRIOR APPLICATION NUMBER: 60/161,932  
PRIOR FILING DATE: 1999-10-28  
PRIOR APPLICATION NUMBER: 60/164,769  
PRIOR FILING DATE: 1999-11-12  
PRIOR APPLICATION NUMBER: 60/173,383  
PRIOR FILING DATE: 1999-12-28  
PRIOR APPLICATION NUMBER: 60/175,693  
PRIOR FILING DATE: 2000-01-12  
PRIOR APPLICATION NUMBER: 60/184,831  
PRIOR FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: 60/191,637  
PRIOR FILING DATE: 2000-03-23  
NUMBER OF SEQ ID NOS: 43008  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 9348  
LENGTH: 445  
TYPE: PRT  
ORGANISM: DROSOPHILA  
US-11-097-143-9348

Query Match 89.2%; Score 166; DB 6; Length 445;  
Best Local Similarity 86.1%; Pred. No. 1.7e-15;  
Matches 31; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALTVMANNISKEKEIKWIGLPTNS 36  
DB 213 KNIRRRYDALTVMANNISKEKEIKWIGLPTNS 248

RESULT 6  
US-10-053-248-24  
Sequence 24, Application US/10053248  
Publication No. US20030144188A1

```

; GENERAL INFORMATION:
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; TITLE OF INVENTION: Molecules and Encoded Proteins
; FILE REFERENCE: P-IS 4814
; CURRENT APPLICATION NUMBER: US/10/053,248
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-053-248-24

```

```

Query Match      88.2%; Score 164; DB 4; Length 405;
Best Local Similarity 86.5%; Pred. No. 3e-15;
Matches 32; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

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QY      1 KNIRRRVDALNVLMMNIISKEKEIKWIGLPTNSA 37
Db      158 KNIRKRTYDALNVLMMNIISREKKIKWIGLTTNSA 194

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```

RESULT 7
US-10-345-837-24
; Sequence 24, Application US/10345837
; Publication No. US20040137440A1
; GENERAL INFORMATION:
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Androgen Regulated Nucleic Acid
; TITLE OF INVENTION: Molecules and Encoded Proteins
; FILE REFERENCE: P-IS 5589
; CURRENT APPLICATION NUMBER: US/10/345,837
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 10/053,248
; PRIOR FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-345-837-24

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Query Match      88.2%; Score 164; DB 4; Length 405;
Best Local Similarity 86.5%; Pred. No. 3e-15;
Matches 32; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

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QY      1 KNIRRRVDALNVLMMNIISKEKEIKWIGLPTNSA 37
Db      158 KNIRKRTYDALNVLMMNIISREKKIKWIGLTTNSA 194

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RESULT 8
US-10-450-763-35867
; Sequence 35867, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 35867

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; LENGTH: 185
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-35867

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Query Match      87.1%; Score 162; DB 5; Length 185;
Best Local Similarity 89.2%; Pred. No. 2.4e-15;
Matches 33; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

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QY      1 KNIRRRVDALNVLMMNIISKEKEIKWIGLPTNSA 37
Db      149 KNIRRRVDALNVLRAVSIISKEKEIKWIGLPTNSA 185

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RESULT 9
US-10-214-188-10
; Sequence 10, Application US/10214188
; Publication No. US2003002260A1
; GENERAL INFORMATION:
; APPLICANT: LA THANGUE, NICHOLAS B.
; BERNARDS, RENE
; HIGMANS, ELEANORE M.
; TITLE OF INVENTION: TRANSCRIPTION FACTOR E2F-5
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHAYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/214,188
; FILING DATE: 08-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/894,139
; FILING DATE: 13-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 620-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-214-188-10

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Query Match      86.0%; Score 160; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 1.7e-15;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 KNIRRRVDALNVLMMNIISKEKEIKWIGL 32
Db      43 KNIRRRVDALNVLMMNIISKEKEIKWIGL 74

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RESULT 10
US-10-856-499-1157
; Sequence 1157, Application US/10856499
; Publication No. US20040259145A1

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/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marion
/ APPLICANT: Shenk, Michael A.
/ APPLICANT: McGrath, Annette
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ FILE REFERENCE: 11000.1021C2
/ CURRENT APPLICATION NUMBER: US/10/856,499
/ NUMBER OF SEQ ID NOS: 2370
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1157
/ LENGTH: 119
/ TYPE: PR1
/ ORGANISM: Pinus radiata
US-10-856-499-1157

Query Match      84.9%; Score 158; DB 5; Length 119;
Best Local Similarity 86.1%; Pred. No. 5.6e-15;
Matches 31; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNTLMANNITSSKEKEIKWIGLPTNS 36
Db 71 KNIRRRYDALNTLMANNITSSKEKEIKWIGLPTTN 106

RESULT 11
US-10-856-499-1056
/ Sequence 1056, Application US/10856499
/ Publication No. US20040259145A1
/ GENERAL INFORMATION:
/ APPLICANT: Wood, Marion
/ APPLICANT: McGrath, Annette
/ APPLICANT: Glenn, Matthew
/ TITLE OF INVENTION: Compositions and Methods for the
/ FILE REFERENCE: 11000.1021C2
/ CURRENT APPLICATION NUMBER: US/10/856,499
/ NUMBER OF SEQ ID NOS: 2370
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1056
/ LENGTH: 120
/ TYPE: PR1
/ ORGANISM: Pinus radiata
US-10-856-499-1056

Query Match      82.3%; Score 153; DB 5; Length 120;
Best Local Similarity 83.3%; Pred. No. 3.1e-14;
Matches 30; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNTLMANNITSSKEKEIKWIGLPTNS 36
Db 70 KNIRRRYDALNTLMANNITSSKEKEIKWIGLPTNS 105

RESULT 12
US-09-220-091-7
/ Sequence 7, Application US/09220091
/ Patent No. US20020064523A1
/ GENERAL INFORMATION:
/ APPLICANT: H. Robert Horvitz
/ APPLICANT: Craig Ceol
/ APPLICANT: Xiaowei Lu
/ TITLE OF INVENTION: A TUMOR SUPPRESSOR PATHWAY IN C. ELEGANS
/ FILE REFERENCE: 01997/202003
/ CURRENT APPLICATION NUMBER: US/09/220,091
/ CURRENT FILING DATE: 1998-12-23
/ EARLIER APPLICATION NUMBER: 60/047,996
/ EARLIER FILING DATE: 1997-05-28
/ EARLIER APPLICATION NUMBER: 09/087,136
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/ EARLIER FILING DATE: 1998-05-28
/ NUMBER OF SEQ ID NOS: 19
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 7
/ LENGTH: 575
/ TYPE: PR1
/ ORGANISM: Caenorhabditis elegans
US-09-220-091-7

Query Match      82.3%; Score 153; DB 3; Length 575;
Best Local Similarity 75.7%; Pred. No. 1.8e-13;
Matches 28; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNTLMANNITSSKEKEIKWIGLPTNSA 37
Db 99 KNIRRRYDALNTLMANNITSSKEKEIKWIGLPTNSAS 135

RESULT 13
US-09-900-147-6
/ Sequence 6, Application US/09900147
/ Patent No. US20020103121A1
/ GENERAL INFORMATION:
/ APPLICANT: La Thangue, Nicholas B
/ APPLICANT: Bandaru, Laxantha R
/ TITLE OF INVENTION: Peptide antagonists of DP transcription factors
/ FILE REFERENCE: 620-67
/ CURRENT APPLICATION NUMBER: US/09/900,147
/ CURRENT FILING DATE: 2001-07-09
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/308,935
/ PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: GB 9626589.7
/ PRIOR FILING DATE: EARLIER FILING DATE: 1996-12-20
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 6
/ LENGTH: 30
/ TYPE: PR1
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-900-147-6

Query Match      81.7%; Score 152; DB 3; Length 30;
Best Local Similarity 100.0%; Pred. No. 8.9e-15;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 YDALNTLMANNITSSKEKEIKWIGLPTNSA 37
Db 1 YDALNTLMANNITSSKEKEIKWIGLPTNSA 30

RESULT 14
US-10-425-114-71403
/ Sequence 71403, Application US/10425114
/ Publication No. US20040034888A1
/ GENERAL INFORMATION:
/ APPLICANT: Liu, Jindong
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Screen, Steven B
/ APPLICANT: Tabaska, Jack B
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ FILE REFERENCE: 38-21(53313)B
/ CURRENT APPLICATION NUMBER: US/10/425,114
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 73128
/ SEQ ID NO 71403
/ LENGTH: 207
/ TYPE: PR1
/ ORGANISM: Zea mays subsp. mexicana
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FEATURE:  
OTHER INFORMATION: Clone ID: UC-ZMOTECOSINTE119B07\_FLI.pep  
US-10-425-114-71403

Query Match 81.2%; Score 151; DB 4; Length 207;  
Best Local Similarity 83.3%; Pred. No. 1.1e-13;  
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRVYDALNTLMANNIISKKEIKWIGLPTNS 36  
DB 6 KNIRRRVYDALNTLMANNIISKKEIKWIGLPTNS 41

RESULT 15

US-10-425-114-36974  
Sequence 36974, Application US/10425114  
Publication No. US2004034888A1  
GENERAL INFORMATION:  
APPLICANT: Liu, Jindong  
APPLICANT: Zhou, Yihua  
APPLICANT: Kovalic, David K.  
APPLICANT: Screen, Steven E  
APPLICANT: Tabaska, Jack E  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21 (5313)B  
CURRENT APPLICATION NUMBER: US/10/425,114  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 73128  
SEQ ID NO 36974  
LENGTH: 222  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: LIB3170-045-C12\_FLI.pep  
US-10-425-114-36974

Query Match 81.2%; Score 151; DB 4; Length 222;  
Best Local Similarity 83.3%; Pred. No. 1.2e-13;  
Matches 30; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 KNIRRRVYDALNTLMANNIISKKEIKWIGLPTNS 36  
DB 27 KNIRRRVYDALNTLMANNIISKKEIKWIGLPTNS 62

Search completed: March 17, 2006, 20:52:10  
Job time: 120.931 secs

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GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2006, 20:27:26 ; Search time 24.6667 Seconds  
(without alignments)  
124.014 Million cell updates/sec

Title: US-09-900-147-1

Perfect score: 186  
Sequence: 1 KNIRRRYDALNVLMMANNISKEKIKWIGLPTNSA 37

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5 COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/6 COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/H COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/PTUS COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/RE COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfill1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	186	100.0	37	2 US-09-308-935-1	Sequence 1, Appli
2	186	100.0	72	1 US-08-428-131-11	Sequence 11, Appl
3	186	100.0	72	2 US-09-078-596-11	Sequence 11, Appl
4	186	100.0	331	2 US-09-949-016-9220	Sequence 9220, Ap
5	186	100.0	410	1 US-08-723-415B-10	Sequence 10, Appl
6	186	100.0	410	1 US-08-723-415B-11	Sequence 11, Appl
7	186	100.0	410	1 US-08-428-131-2	Sequence 2, Appli
8	186	100.0	410	1 US-08-602-846-2	Sequence 2, Appli
9	186	100.0	410	2 US-09-078-596-2	Sequence 2, Appli
10	186	100.0	410	2 US-09-189-627A-10	Sequence 10, Appl
11	186	100.0	410	2 US-09-189-627A-11	Sequence 11, Appl
12	186	100.0	410	2 US-09-710-861-10	Sequence 10, Appl
13	186	100.0	410	2 US-09-710-861-11	Sequence 11, Appl
14	186	100.0	415	2 US-09-949-016-8808	Sequence 8808, Ap
15	186	97.8	369	1 US-08-723-415B-4	Sequence 4, Appli
16	182	97.8	369	2 US-09-189-627A-4	Sequence 4, Appli
17	182	97.8	369	2 US-09-710-861-4	Sequence 4, Appli
18	182	97.8	370	1 US-08-723-415B-6	Sequence 6, Appli
19	182	97.8	370	2 US-09-189-627A-6	Sequence 6, Appli
20	182	97.8	370	2 US-09-710-861-6	Sequence 6, Appli
21	182	97.8	385	1 US-08-723-415B-8	Sequence 8, Appli
22	182	97.8	385	2 US-09-189-627A-8	Sequence 8, Appli
23	182	97.8	385	2 US-09-710-861-8	Sequence 8, Appli
24	182	97.8	446	1 US-08-723-415B-2	Sequence 2, Appli
25	182	97.8	446	2 US-09-189-627A-2	Sequence 2, Appli
26	182	97.8	446	2 US-09-710-861-2	Sequence 2, Appli
27	160	86.0	74	2 US-08-894-139-10	Sequence 10, Appl

28	158	84.9	119	2	US-09-640-211A-1157	Sequence 1157, Ap
29	153	82.3	120	2	US-09-640-211A-1056	Sequence 1056, Ap
30	152	81.7	30	2	US-09-308-935-6	Sequence 6, Appli
31	101	54.3	20	2	US-09-308-935-4	Sequence 4, Appli
32	101	54.3	28	2	US-09-269-576G-22	Sequence 22, Appl
33	101	54.3	28	2	US-09-269-576G-24	Sequence 24, Appl
34	97	52.2	28	2	US-09-269-576G-21	Sequence 21, Appli
35	97	52.2	28	2	US-09-269-576G-21	Sequence 21, Appli
36	91	48.9	19	2	US-09-308-935-3	Sequence 3, Appli
37	85	45.7	29	2	US-09-269-576G-26	Sequence 26, Appl
38	83	44.6	19	2	US-09-308-935-15	Sequence 15, Appl
39	81	43.5	17	1	US-08-428-131-13	Sequence 13, Appl
40	81	43.5	17	2	US-09-078-596-13	Sequence 13, Appl
41	80	43.0	15	2	US-09-308-935-10	Sequence 10, Appl
42	79	42.5	19	2	US-09-308-935-17	Sequence 17, Appl
43	77	41.4	19	2	US-09-308-935-16	Sequence 16, Appl
44	76	40.9	16	2	US-09-308-935-5	Sequence 5, Appli
45	72.5	39.0	189	2	US-09-949-016-7562	Sequence 7562, Ap

## ALIGNMENTS

```
RESULT 1
US-09-308-935-1
: Sequence 1, Application US/09308935
: Patent No. 6268334
: GENERAL INFORMATION:
: APPLICANT: La Thangue, Nicholas B
: TITLE OF INVENTION: Peptide antagonists of DP transcription factors
: FILE REFERENCE: 620-67
: CURRENT APPLICATION NUMBER: US/09/308, 935
: EARLIER FILING DATE: 1999-05-27
: EARLIER APPLICATION NUMBER: PCT/GB97/03506
: EARLIER FILING DATE: 1997-12-22
: EARLIER APPLICATION NUMBER: GB 9626589.7
: EARLIER FILING DATE: 1996-12-20
: NUMBER OF SEQ ID NOS: 18
: SOFTWARE: Patentin Ver. 2.1
: SEQ ID NO 1
: LENGTH: 37
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURES:
: OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-1
Query Match          100.0%; Score 186; DB 2; Length 37;
Best Local Similarity 100.0%; Pred. No. 3.8e-21;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 KNIRRRYDALNVLMMANNISKEKIKWIGLPTNSA 37
Db 1 KNIRRRYDALNVLMMANNISKEKIKWIGLPTNSA 37
RESULT 2
US-08-428-131-11
: Sequence 11, Application US/08428131
: Patent No. 5863757
: GENERAL INFORMATION:
: APPLICANT: La Thangue, Nicholas Barrie
: TITLE OF INVENTION: Transcription Factor DP-1
: NUMBER OF SEQUENCES: 14
: CORRESPONDENCE ADDRESSES:
: ADDRESSER: Nixon & Vanderyne
: STREET: 1100 No. 5863757th Glebe Road, 8th Floor
: CITY: Arlington
: STATE: Virginia
: COUNTRY: U.S.A.
: ZIP: 22201-4714
: COMPUTER READABLE FORM:
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MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-428-131-11

Query Match 100.0%; Score 186; DB 1; Length 72;  
Best Local Similarity 100.0%; Pred. No. 8.3e-21;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVMANNISKEKEIKWIGLPTNSA 37  
DB 4 KNIRRRYDALNVMANNISKEKEIKWIGLPTNSA 40

RESULT 3  
US-09-078-596-11  
Sequence 11, Application US/09078596  
Patent No. 6150116  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 72 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: protein  
US-09-078-596-11

Query Match 100.0%; Score 186; DB 2; Length 72;  
Best Local Similarity 100.0%; Pred. No. 8.3e-21;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVMANNISKEKEIKWIGLPTNSA 37  
DB 4 KNIRRRYDALNVMANNISKEKEIKWIGLPTNSA 40

RESULT 4  
US-09-949-016-9220  
Sequence 9220, Application US/09949016  
Patent No. 681239  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT FILING DATE: 2000-04-14  
CURRENT APPLICATION NUMBER: US/09/949,016  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: PASCSEQ for Windows Version 4.0  
SEQ ID NO 9220  
LENGTH: 331  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-9220

Query Match 100.0%; Score 186; DB 2; Length 331;  
Best Local Similarity 100.0%; Pred. No. 5.1e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVMANNISKEKEIKWIGLPTNSA 37  
DB 148 KNIRRRYDALNVMANNISKEKEIKWIGLPTNSA 184

RESULT 5  
US-08-723-415B-10  
Sequence 10, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOMORFS  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th Floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4100  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-10

Query Match 100.0%; Score 186; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLAMNIISSKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNVLAMNIISSKEKEIKWIGLPTNSA 199

RESULT 6  
US-08-723-415B-11  
Sequence 11, Application US/08723415B  
Patent No. 5859199  
GENERAL INFORMATION:  
APPLICANT: LaThangue, Nicholas B.  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS  
TITLE OF INVENTION: THEREOF  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 No. 5859199th Glebe Rd. 8th floor  
CITY: Arlington  
STATE: VA  
COUNTRY: USA  
ZIP: 22201-4741  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,415B  
FILING DATE: 30-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9610195.1  
FILING DATE: 15-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Crawford, Arthur R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-220  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-816-4100  
TELEFAX: 703-816-4100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-723-415B-11

Query Match 100.0%; Score 186; DB 1; Length 410;

Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLAMNIISSKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNVLAMNIISSKEKEIKWIGLPTNSA 199

RESULT 7  
US-08-428-131-2  
Sequence 2, Application US/08428131  
Patent No. 5863757  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye  
STREET: 1100 No. 5863757th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4100  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-428-131-2

Query Match 100.0%; Score 186; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVLAMNIISSKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNVLAMNIISSKEKEIKWIGLPTNSA 199

RESULT 8  
US-08-602-846-2  
Sequence 2, Application US/08602846  
Patent No. 5871901  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas B  
TITLE OF INVENTION: ASSAY FOR INHIBITORS OF DP-1 AND OTHER DP  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon & Vanderhye PC  
STREET: 8th Floor, 1100 No. 5871901th Glebe Road  
CITY: Arlington  
STATE: Virginia  
COUNTRY: USA  
ZIP: 22201-4714  
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/602,846  
FILING DATE: 26-FEB-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: CRAWFORD, ARTHUR R.  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 620-12  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-602-846-2

Query Match 100.0%; Score 186; DB 1; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 199

RESULT 9  
US-09-078-596-2  
Sequence 2, Application US/09078596  
Patent No. 6150116  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas Barrie  
TITLE OF INVENTION: Transcription Factor DP-1  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Nixon & Vanderhye  
STREET: 1100 No. 6150116th Glebe Road, 8th Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (BPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/078,596  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/428,131  
FILING DATE: 23-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Arthur R. Crawford  
REGISTRATION NUMBER: 25,327  
REFERENCE/DOCKET NUMBER: 117-181  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 410 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-078-596-2

Query Match 100.0%; Score 186; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 199

RESULT 10  
US-09-189-627A-10  
Sequence 10, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 10  
LENGTH: 410  
TYPE: PRT  
ORGANISM: human  
US-09-189-627A-10

Query Match 100.0%; Score 186; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 199

RESULT 11  
US-09-189-627A-11  
Sequence 11, Application US/09189627A  
Patent No. 6159691  
GENERAL INFORMATION:  
APPLICANT: La Thangue, Nicholas  
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF  
FILE REFERENCE: 620-54  
CURRENT APPLICATION NUMBER: US/09/189,627A  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: 08/723,415  
PRIOR FILING DATE: 1996-09-30  
PRIOR APPLICATION NUMBER: GB 9610195  
PRIOR FILING DATE: 1996-05-15  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 11  
LENGTH: 410  
TYPE: PRT  
ORGANISM: mouse  
US-09-189-627A-11

Query Match 100.0%; Score 186; DB 2; Length 410;  
Best Local Similarity 100.0%; Pred. No. 6.6e-20;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 37  
DB 163 KNIRRRYDALNVTMMNIISKEKEIKWIGLPTNSA 199

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RESULT 12
US-09-710-861-10
; Sequence 10, Application US/09710861
; Patent No. 6387649
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/710,861
; PRIOR FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US/09/189,627
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; LENGTH: 410
; SEQ ID NO 10
; TYPE: PRT
; ORGANISM: human
US-09-710-861-10

Query Match          100.0%; Score 186; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 6.6e-20;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 KNIRRRYDALNTVMANNISKEKEIKWIGLPTNSA 37
|||||
Db 163 KNIRRRYDALNTVMANNISKEKEIKWIGLPTNSA 199

RESULT 13
US-09-710-861-11
; Sequence 11, Application US/09710861
; Patent No. 6387649
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
; FILE REFERENCE: 620-54
; CURRENT APPLICATION NUMBER: US/09/710,861
; PRIOR FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US/09/189,627
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 08/723,415
; PRIOR FILING DATE: 1996-09-30
; PRIOR APPLICATION NUMBER: GB 9610195
; PRIOR FILING DATE: 1996-05-15
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; LENGTH: 410
; SEQ ID NO 11
; TYPE: PRT
; ORGANISM: mouse
US-09-710-861-11

Query Match          100.0%; Score 186; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 6.6e-20;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 KNIRRRYDALNTVMANNISKEKEIKWIGLPTNSA 37
|||||
Db 163 KNIRRRYDALNTVMANNISKEKEIKWIGLPTNSA 199

RESULT 14
US-09-949-016-8808
; Sequence 8808, Application US/09949016
; Patent No. 6812339
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; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8808
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8808

Query Match          100.0%; Score 186; DB 2; Length 415;
Best Local Similarity 100.0%; Pred. No. 6.7e-20;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 KNIRRRYDALNTVMANNISKEKEIKWIGLPTNSA 37
|||||
Db 168 KNIRRRYDALNTVMANNISKEKEIKWIGLPTNSA 204

RESULT 15
US-08-723-415B-4
; Sequence 4, Application US/08723415B
; Patent No. 5859199
; GENERAL INFORMATION:
; APPLICANT: Lathangue, Nicholas B.
; TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 No. 5859199th Giebe Rd. 8th floor
; CITY: Arlington
; STATE: VA
; COUNTRY: USA
; ZIP: 22201-4741
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/723,415B
; FILING DATE: 30-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9610195.1
; FILING DATE: 15-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Crawford, Arthur R.
; REGISTRATION NUMBER: 25,327
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 369 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-723-415B-4
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Query Match 97.8%; Score 182; DB 1; Length 369;  
Best Local Similarity 97.3%; Pred. No. 2.4e-19;  
Matches 36; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRRYDALTVMANNISKEKEIKWIGLPTNSA 37  
:|||||  
Db 101 ENIRRRYDALTVMANNISKEKEIKWIGLPTNSA 137

Search completed: March 17, 2006, 20:28:44  
Job time : 25.6667 secs